

Annual Report 2023-2024



Bangladesh Standards and Testing Institution (BSTI)
Ministry of Industries
Government of the People's Republic of Bangladesh



ANNUAL REPORT 2023-2024

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116/A, Tejgaon Industrial Area
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Bangladesh.

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Advisor
Ministry of Industries
The People's Republic of Bangladesh

MESSAGE

It gives me immense pleasure to know that the Bangladesh Standards and Testing Institution (BSTI) is going to publish its Annual Report of the Fiscal Year 2023-24 on its activities and performance. I appreciate all those who are involved in this immense publication

Adherence to international quality standards is paramount for accessing foreign markets and attracting investments. Bangladesh has also taken initiatives for the development of all sectors including the industrial sector.

The Government is also giving more emphasis to strengthen the capacity of BSTI to formulate and implement the Bangladesh Standards of products and services. BSTI facilitates this process by harmonizing local standards with global benchmarks, enabling Bangladeshi products to meet the requirements of international buyers. By certifying exports and ensuring compliance with International Standards, BSTI enhances the competitiveness of Bangladeshi products in the global market. Ensuring quality of products, BSTI contributes to the expansion of the export sector and boosts the economic growth of the country.

I believe this publication will help stakeholders, consumers, business bodies, researchers and other organizations to get better understanding of the activities of BSTI and that it will be able to raise awareness among the business bodies and consumers on the necessity of products standards as well as ensure correct weights and measures used in the business of the country

I wish a wide circulation of the Annual Report 2023-24 of BSTI.

Long Live Bangladesh.

(Adilur Rahman Khan)



Senior Secretary
Ministry of Industries
The People's Republic of Bangladesh

MESSAGE

I am delighted to know that Bangladesh Standards and Testing Institution (BSTI) is going to publish Annual Report on its activities over the Fiscal Year 2023-2024 like previous years. I would like to extend my heartfelt greetings to all those who are involved with this publication.

Bangladesh standards and Testing Institution (BSTI) is the national standards body established in 1985. Its mandate revolves around formulating Bangladesh standards (BDS) and assuring the quality of products through rigorous testing procedures and quality assurance mechanisms. This institution is also responsible to ensure correct weights and measures and implementation of Metric Systems throughout the country. It has started issuing Halal certificate and management systems certification (MSC) to expedite the exports of the country and build world class industry as well. BSTI has been working with its full efforts to implement the above activities to protect the interests of consumers and stakeholders as well as to promote trade and exports.

This Institution is highly praised for its organizational performance both locally and internationally. I believe that all the activities, work process and other relevant information of the institution are included in this publication. Through this, all the stakeholders, consumers, business bodies, researchers and other organizations will attain a clear understanding of the overall activities of BSTI and it also will help to increase confidence among the stakeholders, consumers, researchers and business bodies about the services of BSTI. Again I would like to extend my heartfelt greetings to all who are involved with this immense publication.

I wish a wider circulation of this Annual Report 2023-2024.

Long Live Bangladesh.

(Zakia Sultana)



Preface

It is with great pleasure that we present the Annual Report for the Bangladesh Standards and Testing Institution (BSTI). Over the past year, BSTI has made significant strides in ensuring the quality, safety, and standards of products and services across Bangladesh. As the regulatory authority entrusted with upholding these values, BSTI plays a pivotal role in fostering trust among consumers, industries, and stakeholders, while contributing to the nation's economic and social development.

The Annual Report for 2023-2024 highlights our achievements, challenges, and ongoing efforts to improve and modernize our services. This year has been a testament to our commitment to innovation, transparency, and collaboration with both domestic and international partners. It also marks significant progress in the areas of digital transformation, capacity building, and the enforcement of standards that align with global best practices.

The institution's relentless pursuit of quality standards in various sectors—including manufacturing, agriculture, healthcare, and consumer products—has enhanced the competitiveness of Bangladeshi industries both locally and globally. The progress detailed here is a testament to the hard work, dedication, and collaboration of our stakeholders, including government agencies, industry partners, and the citizens of Bangladesh.

In the year under review, BSTI has enhanced its regulatory frameworks, expanded its testing capabilities, and worked closely with industries to foster a culture of compliance and quality. By aligning with global best practices and introducing new policies, we are better equipped to meet the evolving demands of the market and address the challenges of a rapidly changing world.

We extend our sincere gratitude to the Government of Bangladesh, the Ministry of Industries, and all stakeholders who have contributed to our journey. As we look ahead, BSTI remains committed to adapting to new challenges, embracing technological advancements, and maintaining its steadfast focus on protecting consumers and promoting sustainable development.

S M Ferdous Alam
Director General (Grade-1)

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Acronyms

APMP	Asia-Pacific Metrology Program
ASTM	American Society for Testing and Materials
BAB	Bangladesh Accreditation Board
BARC	Bangladesh Agricultural Research Council
BCA	Bilateral Cooperation Agreement
BCSIR	Bangladesh Council of Scientific and Industrial Research
BDS	Bangladesh Standards
BDSI	Bangladesh Standards Institution
BFSA	Bangladesh Food Safety Authority
BIPM	International Bureau of Weights and Measures
BSTI	Bangladesh Standards and Testing Institution
CAB	Consumers Association of Bangladesh.
CAC	Codex Alimentarius Commission
CM	Certification Marks
CML	Chemical Metrology Laboratories
CTL	Central Testing Laboratories
DFTQC	Department of Food Technology and Quality Control
DNCRP	Directorate of National Consumer Rights Protection
EN	European Norms
EPB	Export Promotion Bureau
FBCCI	The Federation of Bangladesh Chambers of Commerce and Industry
FSSAI	Food Safety and Standards Authority of India
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
ITU	International Telecommunication Union
MoU	Memorandum of Understanding
MRA	Mutual Recognition Arrangement
MSC	Management Systems Certification
NA	Norwegian Accreditation
NABCB	National Accreditation Board for Certification Bodies
NABL	National Accreditation Board for Testing and Calibration Laboratories
NML	National Metrology Laboratories
NQI	National Quality Infrastructure
NSB	National Standards Body
OIC	Organisation of Islamic Cooperation
OIML	International Organization of Legal Metrology
RTI	Right To Information
SARSO	South Asian Regional Standards Organization.
SMIIC	The Standards and Metrology Institute for Islamic Countries
TBT	Technical Barriers to Trade
TCP	Technical Cooperation Program
UNIDO	United Nations Industrial Development Organization
WTO	World Trade Organization

Chapter – 1

Introduction

Vision and Mission of BSTI

Vision



Developing the Institution to formulate and implement the standards and ensuring correct weights and measures.

মান প্রণয়ন ও বাস্তবায়ন এবং সঠিক ওজন ও পরিমাপ নিশ্চিতকরণে যুগোপযোগী প্রতিষ্ঠান হিসেবে গড়ে তোলা।

Mission



To support expansion of domestic and international trade and to protect the interest of consumers and stakeholders through formulating and implementing standards of products & services and ensuring correct weights and measures.

পণ্য ও সেবার মান প্রণয়ন বাস্তবায়ন এবং পণ্যের সঠিক ওজন ও পরিমাপ নিশ্চিতকরণের মাধ্যমে আন্তর্জাতিক ও আঞ্চলিক মানদণ্ডে উন্নীতকরণ এবং ভোক্তা ও অংশীজনের স্বার্থ রক্ষা করে দেশীয় ও আন্তর্জাতিক বাণিজ্যে সহায়তা প্রদান

In 1955, a regional branch of the Central Testing Laboratories (CTL) was set up in Dhaka to test and assess the quality of goods procured through import or produced locally. Government had abolished the Central Testing Laboratories and the Bangladesh Standards Institution and established a new organization, i.e. the Bangladesh Standards and Testing Institution (BSTI) was established as an autonomous body by promulgating Ordinance of 1985.

In order to implement the Metric System of Weights and Measures throughout the country, the Government had promulgated The Standards of Weights and Measures Ordinance, 1982. The Department of Agriculture Grading and Marketing was abolished and merged with BSTI in 1995. Bangladesh Standards and Testing Institution Act, 2018 and the Standards of Weights and Measures Act, 2018 have been enacted by repealing above two ordinances.

Laws and Rules Governing BSTI

আইন:

- ১। বাংলাদেশ স্ট্যান্ডার্ডস এন্ড টেস্টিং ইনস্টিটিউশন আইন, ২০১৮।
- ২। ওজন ও পরিমাপ মানদণ্ড আইন, ২০১৮।

বিধিমালা:

- ১। পণ্য মোড়কজাতকরণ বিধিমালা, ২০২১।
- ২। বাংলাদেশ স্ট্যান্ডার্ডস অব ওয়েটস এন্ড মেজার্স রুলস, ১৯৮২ (সংশোধিত, ২০১৫)।
- ৩। দি কম্পিউটার পার্সোনেল রিক্রুইটমেন্ট রুলস, ১৯৮৫।

প্রবিধানমালা:

- ১। বাংলাদেশ স্ট্যান্ডার্ডস এন্ড টেস্টিং ইনস্টিটিউশন প্রবিধানমালা, ২০২২।
- ২। বাংলাদেশ স্ট্যান্ডার্ডস এন্ড টেস্টিং ইনস্টিটিউশন (ম্যানেজমেন্ট সিস্টেমস সার্টিফিকেশন) প্রবিধানমালা, ২০০৯।
- ৩। বাংলাদেশ স্ট্যান্ডার্ডস এন্ড টেস্টিং ইনস্টিটিউশন কর্মচারীবসরভাতা ও অবসরজনিত সুবিধা প্রবিধানমালা, ২০০২।
- ৪। বাংলাদেশ স্ট্যান্ডার্ডস এন্ড টেস্টিং ইনস্টিটিউশন কর্মচারী চাকুরি প্রবিধানমালা, ১৯৮৯ (এ্যামেন্ডমেন্ট, ২০০৫)।

Act:

1. Bangladesh Standards and Testing Institutions Act, 2018.
2. Standards of Weights and Measures Act, 2018

Rules:

1. Product Packaging Rules, 2021.
2. Bangladesh Standards of Weights and Measures Rules, 1982 (Revised, 2015).
3. The Computer Personnel Recruitment Rules, 1985.

Regulations:

1. Bangladesh Standards and Testing Institutions Regulations, 2022.
2. Bangladesh Standards and Testing Institution (Management Systems Certification Regulations, 2009.
3. Bangladesh Standards and Testing Institution Employees (Pension and Retirement Benefits) Regulations, 2002.
4. Bangladesh Standards and Testing Institution Employees Employment Regulations, 1989.

Functions of BSTI

- a.** To set up quality and dimensions of Bangladesh Standards and to prepare and promote the National Standards on national and international basis relating to materials, commodities, structures, practices and operations and to withdraw, revise, alter and amend the same from time to time;
- b.** To recommend the Government to consider develop the Bangladesh Standards for the measurement of length, weight, mass, volume, and energy;
- c.** Initiate to promote standard, quality control, metrology and make simplification in the field of industry and commerce;
- d.** To ensure that the Bangladesh Standards develop by the Institution are implemented/ followed by the producers and users;
- e.** To implement Bangladesh Standards through the National certification mark scheme or inspection of goods or both;
- f.** To Issue Halal Certificate and Management Systems Certificate to promote export of products from Bangladesh;
- g.** To provide or arrange facilities for examination, testing and inspection of products, system and process for any investigation, research or promotion of export and to fulfill this purpose issue test reports of any products related to relevant Bangladesh Standards;
- h.** To certify the quality of products, materials, procedure and other things including food materials, whether for local consumption, export or import;
- i.** To co-ordinate the efforts of producers and users for the improvement of materials, products, code of practice, appliances, processes and methods, so as to eliminate the national waste of material and time involved in the production of an unnecessary variety of patterns and sizes of articles for one and the same purpose;
- j.** To establish and publish the Bangladesh Standards of any article or process or code of practice, in such a manner as may be described in regulation;
- k.** To recognize, adopt or endorse any other standards in relation to any article or process developed by other institution in Bangladesh or any foreign country, or by international organizations as Bangladesh Standards, in such manner as may be prescribed in the regulation;
- l.** To specify a Standard Mark to be called the Bangladesh Standards and Testing Institution Certification Mark which shall be of specified design and contain which may be prescribed by the regulation to represent a Bangladesh Standard;
- m.** To grant, renew, reject, suspend or cancel of license by the specified procedure prescribed in the regulation for the use of Standard Mark;
- n.** To make such inspection and take such samples of any material or substance as may be necessary to see whether any article or process in relation to which the Standard Mark has been used or proposed to be used conforms to the Bangladesh Standards or whether the Standard Mark has been improperly used in relation to any article or process with or without license;
- o.** To utilize, with the permission of the owners, the services of laboratories other than those maintained by the Institution and approve such laboratories for the purpose of the Institution;
- p.** To make arrangements, or provide facilities, for the testing and calibration of sensitive and scientific instruments, machineries and issue certificate which comply the relevant standard;
- q.** To undertake execution of any trust or any agency business which it may consider conducive to the attainment of its objectives;
- r.** To fulfill the establishment of the institution, co-operate with any person, association, or organization outside Bangladesh;
- s.** For the purpose of export classify and mark the Agricultural products according to the Agricultural Produce Grading and Marking Act, 1937 (Act No. 1 of 1937) and relevant rules framed under the Act. and
- t.** To do all such acts and things ancillary or incidental to any of the aforesaid functions.

Organs of BSTI

- a) BSTI Council

- b) Parliamentary Standing Committee of the Ministry of Industries
- c) The Director General and Staff

a) BSTI Council

The general direction and administration of the affairs and functions of the Institution is vested with BSTI Council as per the provision of Bangladesh Standards and Testing Institution Act, 2018. Council exercise all powers and perform all functions as per the provision of the Act. The Council shall, in discharging its duties, be guided by such instructions as may be given to it by the Government from time to time.

Member List of BSTI Council (as per BSTI Act, 2018)

Sl.	Designation, Organization	Position in the Council	Sl.	Designation, Organization	Position in the Council
1	Honorable Minister Ministry of Industries	Chairman	2	Honorable State Minister Ministry of Industries	1 st Vice-Chairman
3	Secretary Ministry of Industries	2 nd Vice-Chairman	4	Director General, Bangladesh Standards and Testing Institution (BSTI)	Member-Secretary
5	Inspector General of Police, Bangladesh Police	Member	6	Chief Editor/Managing Director, Bangladesh Shangbad Sangstha	Member
7	Chief Information Officer Ministry of Information and Broadcasting	Member	8	Chief Controller, Import and Export	Member
9	Director General, Bangladesh Television	Member	10	Director General, Bangladesh Betar	Member

Part-1 (Member from Different Ministry/Division)

(Not below the rank of Joint Secretary)

Sl.	Name of the Ministry	Position in Council	Sl.	Name of the Ministry	Position in Council
1	Ministry of Industries	Member	2	Ministry of Agriculture	Member
3	Ministry of Fisheries & Livestock	Member	4	Finance Division	Member
5	Ministry of Commerce	Member	6	Posts and Telecommunication Division	Member
7	Health Services Division	Member	8	Energy and Mineral Resources Division	Member
9	Legislative and Parliamentary Affairs Division	Member	10	Ministry of Information and Broadcasting	Member
11	Ministry of Jute & Textile	Member	12	Public Security Division Ministry of Home Affairs	Member
13	Ministry of Public Administration	Member			

Part-2 (Head of the Organization/Institution)

Sl.	Designation, Organization	Position in Council	Sl.	Designation, Organization	Position in Council
1	President The Federation of Bangladesh	Member	2	Chairman Bangladesh Food Safety	Member

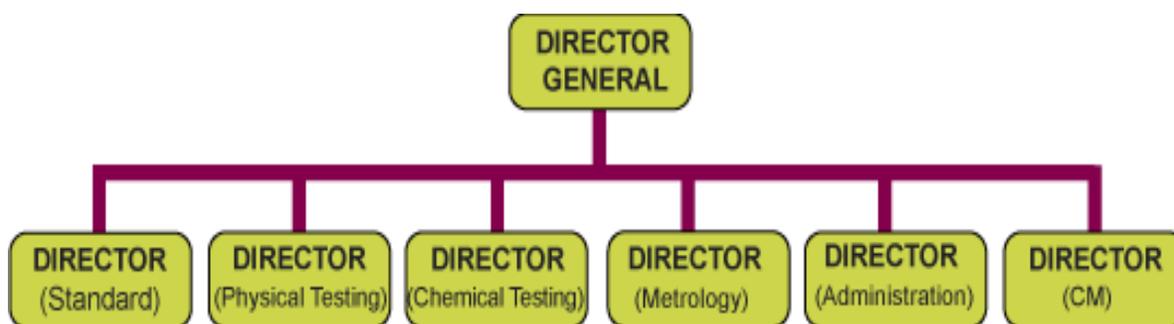
	Chamber of Commerce & Industry			Authority	
3	Director General Department of National Consumer Rights Protection	Member	4	President Dhaka Chamber of Commerce & Industries	Member
5	President Chattogram Chamber of Commerce & Industries	Member	6	President Metropolitan Chamber of Commerce & Industries	Member
7	President Consumer Association of Bangladesh	Member	8	President Bangladesh Chamber of Industries	Member
9	President Bangladesh Shop Owners Association	Member			Member

Part-3 (Head of the Organization/Institution)

Sl.	Designation, Organization	Position in Council	Sl.	Designation, Organization	Position in Council
1	Chairman Bangladesh Council of Scientific and Industrial Research	Member	2	Chairman Bangladesh Atomic Energy Commission	Member
3	Vice Chancellor Bangladesh University of Engineering and Technology	Member	4	Vice-Chairman Export Promotion Bureau	Member
5	Executive Chairman Bangladesh Agricultural Research Council	Member			

c) The Director General and Staff

The Director General is the Chief Executive Officer of the Institution and is responsible for the proper administration of the Institution. The Director General is appointed by the Government on such terms and conditions as it may determine. BSTI performs its responsibilities through 7 (seven) wings. Each wing is headed by a Director. The wings are:



There are 26 Divisions/Sections/Cells under 7 wings

No	Wing	Division/Section/Cell
1.	Standards Wing	a. Agriculture and Food Division
		b. Jute & Textile Division
		c. Chemical Division
		d. Electrical and Electronics Division
		e. Civil and Mechanical Engineering Division
		f. Halal Food and Products Division
		g. Publication and Public Relations
2.	Physical Testing Wing	a. Electrical and Electronics Engineering
		b. Civil and Physical
		c. Textile
3.	Chemical Testing Wing	a. Chemical
		b. Food and Bacteriological
4.	Certification Marks (CM) Wing	a. Certification Marks
		b. Halal Certification Division
		c. Training and Motivation
5.	Metrology Wing	a. Legal Metrology
		b. Metrology Lab and Training
		c. Industrial and Scientific Metrology
6.	Administration Wing	a. Administration
		b. Accounts and Audit
		c. Planning and Development
		d. Store
		e. ICT Cell
		f. Law
7.	Management Systems Certification (MSC) Wing	a. Document Control
		b. Internal Audit

BSTI Offices:

The Headquarters of the Institution is located at Dhaka. It has 8 Divisional and 3 District Offices. Address and other details of the head office, divisional and district offices are given below:

<u>Head Office</u>			
<p>Bangladesh Standards and Testing Institution Maan Bhaban, 116/A, Tejgaon Industrial Area, Dhaka-1208. Fax : 88-02-55030092 E-mail : dg@bsti.gov.bd, bsti@bangla.net Website : www.bsti.gov.bd Phone : +8802-55030054, +8802-55030069, +8802-55030080, +8802-55030076, +8802-55030083, +8802-48116665 Hotline : 16119</p>			
<u>Divisional Offices</u>			
<p>Divisional Metrology Inspectorate 116/A, Tejgaon Industrial Area Dhaka-1208. Phone : 8870300 Fax: 88 02 8870676 E-mail: bsti_dmi@bangla.net</p>	<p>BSTI Divisional Office, Rajshahi Bipass Road, Nawdapara, Sapura, Rajshahi. Phone: 0721-861397, 0721-561398 E-mail: bsti_raj@yahoo.com</p>		
<p>BSTI Divisional Office, Chattogram Jamburi Ground, Agrabad, Chattogram Phone: 031-721137 E-mail: bsti_ctg@bnsibd.net bstictg4100@gmail.com</p>	<p>BSTI Divisional Office, Barishal BSCIC Industrial Park Kaunia, Barishal Phone: 0431-65176 E-mail: bsti_barisal@gmail.com</p>		
<p>BSTI Divisional Office, Khulna 62, Old Jessore Road Khalishpur, Khulna Phone: 041-762152, 041-761542 E-mail: bsti_khulna@yahoo.com</p>	<p>BSTI Divisional Office, Sylhet BSCIC Industrial Park Khadimnagar, Sylhet Phone: 0821-2870935 E-mail: bsti_sylhet@gmail.com</p>		
<p>BSTI Divisional Office, Rangpur R. K. Road, Ganeshpur Post: Sadar, Rangpur-5400 Phone: 0521-56661 E-mail: bstirangpur@gmail.com</p>	<p>BSTI Divisional Office, Mymensingh Kismot, Rahmotpur, Sadar Mymensingh. Phone: 01711160811 E-mail: bstimymensingh@gmail.com</p>		
<u>District Offices</u>			
<p>BSTI District Office, Cumilla Batabaria Dhaka-Chattogram Highway Road Halima Nagar, South Sadar Cumilla-3502. Phone: 0173925827 E-mail: bsticomilla@gmail.com</p>	<p>BSTI District Office, Faridpur BSCIC Industrial Area Kanaipur Faridpur-7801. Phone: 01712000079 E-mail: bsti.faridpur@gmail.com</p>		
<p>BSTI District Office, Cox's Bazar Plot: 4-5, New Circuit House Road Cox's bazar Phone: 02-51060137 E-mail: bsticox@gmail.com</p>			
<u>Regional Offices</u>			
1	<p>BSTI Regional Office, Gopalganj Circuit House Road, Sonakur, Ward No-14, Sadar, Gopalganj.</p>	6	<p>BSTI Regional Office, Narshingdi 235, Sultan Tower, West Brahmondi, Narshingdi (Opposite of Narshingdi Central College)</p>

	Phone: 01721868864 E-mail: saidur_met@bsti.gov.bd		Phone: 01715121787 E-mail: habibur.rahman@bsti.gov.bd
2	BSTI Regional Office, Jessore 2660, Raja Baroda Kanta Road, Chachra Dalmil, Jessore-Benapol Sarak, Jessore Phone: 01711199073 E-mail: aslam.sekh@bsti.gov.bd	7	BSTI Regional Office, Naogaon Muktijoddha Complex, Bus Stand, Naogaon Phone: 01711949738 E-mail: monnaf1969@yahoo.com
3	BSTI Regional Office, Noakhali Holding: 850/01, Dotter Dokkhin Bazar, Main Road, Sonapur, Noakhali Phone: 01581245230 E-mail: masum.billah@bsti.gov.bd	8	BSTI Regional Office, Kustia 63/3, Kustia-Jhinaidah Road, Chourhas More, Kustia Phone: 01712541461 E-mail: pradip.malo@bsti.gov.bd
4	BSTI Regional Office, Patuakhali Talukdar Mansion, Holding No: 337 Kalikapur, Patuakhali Phone: 01858707857 E-mail: mustafabsti@gmail.com	9	BSTI Regional Office, Dinajpur 869, Nimnagar, Fulbari Bus Stand, Dinajpur Phone: 01712274083 E-mail: bstipabna@gmail.com
5	BSTI Regional Office, Gazipur G-159 (7 th Floor), West Side of Rajdighi Joyjebpur, Gazipur Phone: 01717256232 E-mail: kamal.hossain@bsti.gov.bd	10	BSTI Regional Office, Pabna 1373, PI Road, Radhanagar, Pabna Phone: 01717829002 E-mail: habibur.rahman@bsti.gov.bd

Chapter – 2

Wings of BSTI and Their Functions

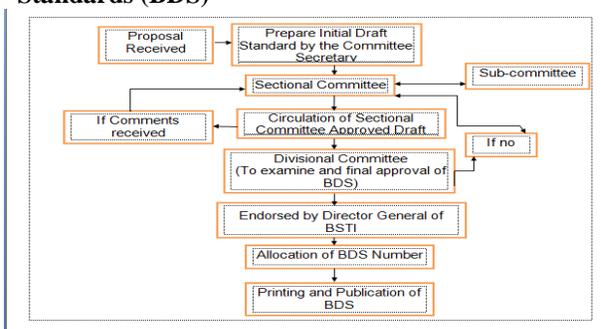
1. Standards Wing

Standards Wing is responsible for development of standards on consensus based approach through its Sectional (Technical) and Divisional Committees. Apart from development of national standards, emphasis is laid also on periodic review of standards to keep them at par with modern technologies. Majority of these standards are harmonized from International Standards. BSTI has formulated 4,389 standards till June 2024. Approximately 60% of the existing Bangladesh Standards (BDS) have been harmonized with International and Regional Standards (ISO, IEC, CAC, ASTM, SMIIC, EN etc.) to facilitate acceptance of Bangladeshi products in the International Market.

1.1 Standards

Document, established by consensus and approved by a recognized body, that provides, for common and repeated use, rules, guidelines or characteristics for activities or their results, aimed at the achievement of the optimum degree of order in a given context.

1.2 Flow Chart for the Development of Bangladesh Standards (BDS)



1.3 Standard Development Committees

There are 78 Sectional (Technical) Committees under 6 Divisional Committees have been assigned to perform the Standard development process. The Sectional (Technical) Committees are constituted by the Divisional Committees. Each Committees consists of one Chairman and a number of experts in their respective fields drawn from various organizations. There are also two National Committees; such as National Codex Committee (NCC) and IEC National Committee of Bangladesh. These committees comprise stakeholders mainly from industries, research organizations, trade bodies, academic institutions, consumer association, testing laboratories and the government agencies.

1.4 Library, Documentation and Technical Information

BSTI Library has a vast resource of documents. Library, documentation and technical information. Centrally collects standards, documents and other technical publications from home and abroad. A lot of reference books, administrative books, periodical handbooks, dictionaries, glossaries; encyclopedias, related Gazette and other rules and regulations published by Bangladesh Government are stored in this library. Standards of ISO, IEC, OIML and CODEX are also stored in the library. Besides these, Standards from India (IS), United States of America (ANSI & ASTM), United Kingdom (BS), Australia (AS), Germany (DIN), Japan (JIS), Republic of Korea (KS), Malaysia (MS), New Zealand (NZ), Pakistan (PS), Saudi Arabia (SAS), Singapore (SS), Sri-Lanka (SLS), Thailand (TIS) and many other countries are available in BSTI library. BSTI personnel, public and private sector organizations, persons carrying out academic and scientific research, students and other parties related to standards and standardization activities have free access to the library.

1.5 Participation in Regional and International Standardization Activities

As a member body of ISO, BSTI participated in ISO International Standardization activities. Currently, BSTI is Participating Member of 5 ISO committees and Observing Member of 22 ISO committees. Mr. Md. Abdus Sattar, Director General (Grade-1), BSTI participated in the 18th SMIIC general Assembly Meeting on 01 November, 2023 in Saudi Arabia. Mr. S M Ferdous Alam, Director General (Grade-1) BSTI participated in the ISO Technical committee meeting on “ISO/PC 305 Sustainable non-sewered sanitation systems” on 15-19 April 2024, Nantes, France. During this fiscal year, BSTI officials virtually participate in different workshops and training programs organized by International Standards Organization (ISO), The Standards and Metrology Institute for Islamic Countries (SMIIC) and Codex Alimentarius Commission (CAC).

1.6 List of Divisional and Sectional (Technical) Committees:

(1) Agricultural and Food Products Divisional Committee

1.	AFSC-1	Cereals, Pulses and their Products
2.	AFSC-2	Oilseeds and their Products
3.	AFSC-3	Milk and Milk Products
4.	AFSC-4	Fish and Fisheries Products
5.	AFSC-5	Meat, Poultry and their Products
6.	AFSC-6	Spices and Condiments
7.	AFSC-10	Tea and Coffee
8.	AFSC-11	Sugar and Sugar Industries Products
9.	AFSC-13	Animal Feeds
10.	AFSC-15	Fruits , Vegetables and their Derived Products
11.	AFSC-16	Starch, Derivatives and their By-product
12.	AFSC-17	Forest Products
13.	AFSC-18	Food Additives
14.	AFSC-20	Pesticides
15.	AFSC-21	Tobacco and Tobacco Products
16.	AFSC-22	Soft Drinks and Beverages
17.	AFSC-23	Irradiated Food Products
18.	AFSC-24	Bakery and Confectionary Products
19.	AFSC-25	Food Hygiene and Safety Management
20.	AFSC-26	Halal Food Products
21.	AFSC-27	Food Labelling and Packaging

(2) Electrical and Electronics Divisional Committee

1.	EESC-1	Transformers
2.	EESC-2	Electric Lamps and Accessories
3.	EESC-3	Switchgear and Protective Devices
4.	EESC-4	Dry Cells and Accumulators
5.	EESC-5	Electric Fans and Appliances
6.	EESC-8	Electric Wires and Cables
7.	EESC-9	Insulators and Insulating Materials
8.	EESC-10	Electronics
9.	EESC-12	Rotating Electric Machines
10.	EESC-13	Electric Measuring Instruments
11.	EESC-14	Telecommunications
12.	EESC-15	Computer and Computer Related
13.	EESC-16	Information Technology
14.	EESC-17	Conformity Assessment
15.	EESC-18	Power Electronics

(5) Engineering (Civil) Divisional Committee

1.	CESC-1	Bricks, Blocks, Tiles, Paving Materials and Related Products
2.	CESC-2	Cement and Cementing Materials
3.	CESC-3	Structural Steel Sections and other Products
4.	CESC-4	Pipe and Pipe Fittings
5.	CESC-5	Sanitary and Water Appliances
6.	CESC-6	Fire Fighting and Safety Equipments

(3) Chemical Divisional Committee

1.	CSC-1	Fine Chemicals
2.	CSC-2	Rubber and Plastics
3.	CSC-3	Paper, Pulp, Board and Stationery Products
4.	CSC-4	Leather, Footware and Leather Products
5.	CSC-5	Paints and Allied Materials
6.	CSC-6	Glass and Ceramics
7.	CSC-7	Lubricants and Related Products
8.	CSC-8	Soap and Detergent
9.	CSC-9	Mineral, Fuels and Petroleum Products
10.	CSC-10	Cosmetics and Related Products
11.	CSC-11	Ink and Allied products
12.	CSC-12	Fertilizer and Allied Products
13.	CSC-13	Oils, Fats and Allied Products
14.	CSC-14	Adhesives
15.	CSC-15	Halal Cosmetics and Related Products

(4) Jute and Textile Divisional Committee

1.	JTSC-1	Jute Products
2.	JTSC-2	Oven and Other Textile Products
3.	JTSC-3	Raw Jute
4.	JTSC-4	Jute Mills Spares and Accessories
5.	JTSC-5	Textile Test Methods
6.	JTSC-6	Yarn, Rope, Twine and Cordage's
7.	JTSC-7	Knit and Knit Products
8.	JTSC-8	Garments Products
9.	JTSC-9	Silk Products
10.	JTSC-10	Handloom Products
11.	JTSC-11	Textile Mills Accessories
12.	JTSC-12	Capital Machineries
13.	JTSC-13	Raw Cotton and Other Natural Fibres
14.	JTSC-14	Man-Made Fibre and Products

(6) Engineering (Mechanical) Divisional Committee

1.	MESC-1	Metallic Sheet, Plate, Wire and Allied Products
2.	MESC-2	Tools, Equipment and Measuring Instruments
3.	MESC-3	Security Item
4.	MESC-4	Pump, Engine and Agricultural Implements
5.	MESC-5	Specialized Products and Household Appliances
6.	MESC-6	Vehicles and Fuels
7.	MESC-7	Sports Goods

1.7 Agreement/MoU/TCP with other NSBs:

Type of Agreement	NSBs/Countries	Title of the MoU/Agreement
Memorandum of Understanding (MoU)	Bureau of Indian Standards (BIS), India	Memorandum of Understanding between Bangladesh Standards and Testing Institution (BSTI) and Bureau of Indian Standards (BIS).
Memorandum of Understanding (MoU)	Pakistan Standards and Quality Control Authority (PSQCA), Pakistan	Memorandum of Understanding between Bangladesh Standards and Testing Institution (BSTI) and Pakistan Standards and Quality Control Authority (PSQCA) in the field of Standardization and Quality assurance.
Bilateral Cooperation Agreement (BCA)	Bureau of Indian Standards (BIS), India	Agreement between Bangladesh Standards and Testing Institution and Bureau of Indian Standards in the field of Standardization and Conformity Assessment.
Technical Cooperation Program (TCP)	Saudi Standards, Metrology and Quality Organization (SASO), Kingdom of Saudi Arabia	Technical Cooperation Program between the Saudi Standards, Metrology and Quality Organization (SASO) and Bangladesh Standards and Testing Institution (BSTI).
Memorandum of Understanding (MoU)	Nepal Bureau of Standards and Metrology (NBSM), Nepal	Memorandum of Understanding between Bangladesh Standards and Testing Institution (BSTI) and Nepal Bureau of Standards and Metrology (NBSM).
Memorandum of Understanding (MoU)	Bhutan Standards Bureau (BSB), Bhutan	Memorandum of Understanding between Bangladesh Standards and Testing Institution (BSTI) and Bhutan Standards Bureau (BSB).
Memorandum of Understanding (MoU)	Sri Lanka Standards Institution (SLSI), Sri Lanka	Memorandum of Understanding (MoU) between Bangladesh Standards and Testing Institution (BSTI) and the Sri Lanka Standards Institution (SLSI) on Technical Cooperation.
Memorandum of Understanding (MoU)	Turkish Standards Institution (TSE), The Republic of Turkey	Memorandum of Understanding (MoU) between the Bangladesh Standards and Testing Institution (BSTI), the People's Republic of Bangladesh and the Turkish Standards Institution (TSE), the Republic of Turkey.
Memorandum of Understanding (MoU)	ASTM International, USA	Bangladesh Standards and Testing Institution (BSTI), the People's Republic of Bangladesh and the ASTM International, USA.
Memorandum of Understanding (MoU)	The Standardization Administration of China (SAC), People's Republic of China	Bangladesh Standards and Testing Institution (BSTI), the People's Republic of Bangladesh and The Standardization Administration of China (SAC), People's Republic of China.
Memorandum of Understanding (MoU)	DFTQC, Nepal	Memorandum of Understanding between Bangladesh Standards and Testing Institution (BSTI) and DFTQC, Nepal.
Memorandum of Understanding (MoU)	Bangladesh Trade Facilitation Project (Funded by USDA)	Memorandum of Understanding between Bangladesh Standards and Testing Institution (BSTI) and Bangladesh Trade Facilitation Project (Funded by USDA)

1.8 Statistics of Bangladesh Standards (BDS) formulation (July 2023-June 2024)

SL.	Activities	2021-2022	2022-2023	2023-2024
1	Agriculture and Food	40	42	50
2	Chemical	39	45	60
3	Jute and Textile	40	42	50
4	Electrical and Electronics	42	43	55
5	Engineering	60	43	61
Total =		221	215	276

1.9 List of Bangladesh Standards (BDS) formulation from July, 2023- June, 2024:

Agriculture and Food Division (Total 50 Standards):

Sl. No.	BDS Number	Title
1.	BDS 520:2023	Pickles, 3rd Revision
2.	BDS 2015:2023	Virgin Coconut Oil, Amendment-1:2024
3.	BDS 2025:2023	Standards of Bangladesh Good Agricultural Practices
4.	BDS 2031:2024	Special Dietary Foods with Low-Sodium Content (Including Salt Substitutes)
5.	BDS 2032:2024	Electrolyte Drinks (Sports Drinks)
6.	BDS CXS 62:2024	Canned strawberries
7.	BDS CXS 87:2024	Chocolate
8.	BDS CXS 105:2024	Cocoa powders (cocoas) and dry mixtures of cocoa and sugars
9.	BDS CXS 115:2024	Pickled cucumbers (Cucumbers pickles)
10.	BDS CXS 143:2024	Dates
11.	BDS CXS 169:2023	Whole and decorticated pearl millet grains
12.	BDS CXS 170:2023	Pearl millet flour
13.	BDS CXS 173:2023	Sorghum flour
14.	BDS CXS 175:2023	Soy protein products
15.	BDS CXS 176 :2023	Edible cassava flour
16.	BDS CXS 200:2024	Peanuts
17.	BDS CXS 215:2024	Guavas
18.	BDS CXS 245:2024	Orange
19.	BDS CXS 254:2023	Certain Canned Citrus Fruits
20.	BDS CXS 296:2024	Jams, Jellies and Marmalades
21.	BDS CXS 297:2023	Certain Canned Vegetables
22.	BDS CXS 319:2023	Certain Canned Fruits
23.	BDS CXS 326:2024	Black, white and green peppers
24.	BDS CXS 342:2024	Dried oregano
25.	BDS ISO 90-1:2024	Light gauge metal containers - Definitions and determination of dimensions and capacities - Part 1: Open-top cans
26.	BDS ISO 2479:2024	Sodium chloride for industrial use – Determination of matter insoluble in water or in acid and preparation of principal solutions for other determinations
27.	BDS ISO 2480:2024	Sodium chloride for industrial use – Determination of sulphate content — Barium sulphate gravimetric method
28.	BDS ISO 2483:2024	Sodium chloride for industrial use – Determination of the loss of mass at 110 Degree centigrade
29.	BDS ISO 6561-2:2024	Fruits, vegetables and derived products - Determination of cadmium content - Part 2: Method using flame atomic absorption spectrometry
30.	BDS ISO 5564:2024	Black pepper and white pepper, whole or ground - Determination of piperine content Spectrophotometric method
31.	BDS ISO 6320:2024	Animal and vegetable fats and oils - Determination of refractive index
32.	BDS ISO 6883:2024	Animal and vegetable fats and oils - Determination of conventional mass per volume (litre weight in air)
33.	BDS ISO 7932:2023	Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of presumptive Bacillus cereus — Colony-count technique at 30 degrees C
34.	BDS ISO 10272-1:2023	Microbiology of the food chain — Horizontal method for detection and enumeration of Campylobacter spp. — Part 1: Detection method
35.	BDS ISO 10272-2:2023	Microbiology of the food chain — Horizontal method for detection and enumeration of Campylobacter spp. — Part 2: Colony-count technique
36.	BDS ISO 11053:2024	Vegetable fats and oils — Determination of cocoa butter equivalents in milk chocolate
37.	BDS ISO 15214:2023	Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of mesophilic lactic acid bacteria — Colony-count technique at 30 degrees C

38.	BDS ISO 15305:2024	Animal and vegetable fats and oils - Determination of Lovibond colour
39.	BDS ISO 17604:2023	Microbiology of the food chain — Carcass sampling for microbiological analysis
40.	BDS ISO 18609:2024	Animal and vegetable fats and oils - Determination of unsaponifiable matter - Method using hexane extraction
41.	BDS ISO 21528-1:2023	Microbiology of the food chain — Horizontal method for the detection and enumeration of Enterobacteriaceae — Part 1: Detection of Enterobacteriaceae
42.	BDS ISO 21528-2:2023	Microbiology of the food chain — Horizontal method for the detection and enumeration of Enterobacteriaceae — Part 2: Colony-count technique
43.	BDS ISO 21871:2023	Microbiology of food and animal feeding stuffs — Horizontal method for the determination of low numbers of presumptive <i>Bacillus cereus</i> — Most probable number technique and detection method
44.	BDS ISO 23275-1:2024	Animal and vegetable fats and oils — Cocoa butter equivalents in cocoa butter and plain chocolate — Part 1: Determination of the presence of cocoa butter equivalent
45.	BDS ISO 23275-2:2024	Animal and vegetable fats and oils — Cocoa butter equivalents in cocoa butter and plain chocolate — Part 2: Quantification of cocoa butter equivalents
46.	BDS OIC/SMIIC 3:2023	Conformity Assessment – Requirements for Halal Accreditation Bodies Accrediting Halal Conformity Assessment Bodies.
47.	BDS OIC/SMIIC 17-1:2023	Halal Supply Chain Management System – Part 1: Transportation – General Requirements
48.	BDS OIC/SMIIC 17-2:2023	Halal Supply Chain Management System – Part 2: Warehousing – General Requirements
49.	BDS OIC/SMIIC 17-3:2023	Halal Supply Chain Management System – Part 3: Retailing – General Requirements
50.	BDS OIC/SMIIC 23:2023	Feeding Stuffs for Halal Animals – General Requirements

Chemical Division (Total 60 Standards)

Sl. No.	BDS Number	Title
1.	BDS 2020:2023	Specification for Colour Pencils.
2.	BDS 2021:2023	Specification for Indelible Ink.
3.	BDS 2022:2023	Printing Ink for Food Packaging – Code of Practice.
4.	BDS 2023:2023	Specification for Shanks for Footwear.
5.	BDS 2026:2023	Specification for Oxidation Hair Dyes (Emulsion Type)
6.	BDS 2029:2024	Specification for Base Oil
7.	BDS 2030:2024	Plastics - Guidelines for the Recovery and Recycling of Plastics Waste.
8.	BDS 1597:2023	Specification for Petroleum Jelly (First Revision).
9.	BDS 1684:2023	Specification for Hair Dye Powder (First Revision).
10.	BDS 1987:2023	Specification for Eye Care Products (First Revision).
11.	BDS 1555:2023	Specification for Direct Moulded Sole (DMS) Boots for General purpose (First Revision)
12.	BDS 1589:2023	Specification for Shoe Polish, Liquid (First Revision).
13.	BDS 1338:2023	Specification for Oxidation Hair Dyes (Liquid/ Gel/ Cream) (First Revision).
14.	BDS 1337:2024	Specification for Skin Powders (Second Revision).
15.	BDS 1382:2024	Specification for Skin Cream (Fourth Revision)
16.	BDS 1420:2024	Specification for Hair Cream (First Revision)
17.	BDS 1424:2024	Specification for Lipstick (First Revision)
18.	BDS 1482:2024	Specification for Zinc Sulfate (Heptahydrate) (Fertilizer) (First Revision).
19.	BDS ISO 20126:2023	Dentistry — Manual toothbrushes — General requirements and test method.

20.	BDS ISO 22254:2023	Dentistry — Manual toothbrushes — Resistance of tufted portion to deflection.
21.	BDS ISO 472:2023	Plastics — Vocabulary.
22.	BDS ISO 5412:2023	Plastics - Industrial compostable plastic shopping bags.
23.	BDS ISO 868:2023	Plastics and ebonite — Determination of indentation hardness by means of a durometer (Shore hardness).
24.	BDS ISO 4649:2023	Rubber, vulcanized or thermoplastic-determination of abrasion resistance using a rotating cylindrical drum device.
25.	BDS ISO 17702:2023	Footwear – Test Method For Upper – Water Resistance
26.	BDS ISO 16128-1:2024	Guidelines on technical definitions and criteria for natural and organic cosmetic ingredients and products – Part 1: Definitions for ingredients.
27.	BDS ISO 16128-2:2024	Guidelines on technical definitions and criteria for natural and organic cosmetic ingredients and products – Part 2: Criteria for ingredients and products.
28.	BDS ISO 21150:2024	Cosmetics – Microbiology – Detection of Escherichia coli.
29.	BDS ISO 22718:2024	Cosmetics – Microbiology – Detection of Staphylococcus aureus.
30.	BDS ISO 18416:2024	Cosmetics – Microbiology – Detection of Candida albicans.
31.	BDS ISO 22717:2024	Cosmetics – Microbiology – Detection of Pseudomonas aeruginosa.
32.	BDS ISO 16212:2024	Cosmetics – Microbiology – Enumeration of yeast and mould.
33.	BDS ISO 18415:2024	Cosmetics – Microbiology – Detection of specified and non-specified microorganisms.
34.	BDS ISO 21148:2024	Cosmetics – Microbiology – General Instructions For Microbiological Examination.
35.	BDS ISO 21149:2024	Cosmetics – Microbiology – Enumeration and detection of aerobic mesophilic bacteria.
36.	BDS ISO 29621:2024	Cosmetics – Microbiology – Guidelines For The Risk Assessment And Identification Of Microbiologically Low-Risk Products.
37.	BDS ISO 21392:2024	Cosmetics – Analytical methods – Measurement of traces of heavy metals in cosmetic finished products using ICP/MS technique.
38.	BDS ISO 24442:2024	Cosmetics – Sun protection test methods – In vivo determination of sunscreen UVA protection.
39.	BDS ISO 24443:2024	Cosmetics – Determination of sunscreen UVA photoprotection in vitro.
40.	BDS ISO 24444:2024	Cosmetics – Sun protection test methods – In vivo determination of the sun protection factor (SPF).
41.	BDS ISO 8068:2024	Lubricants, industrial oils and related products (class L) - Family T (Turbines) - Specification for lubricating oils for turbines - Amendment 1: Filterability tests according to ISO 13357-1 and ISO 13357-2 - Requirements related to the stage of the test method (First Revision).
42.	BDS ISO 10390:2024	Soil, treated biowaste and sludge – Determination of pH.
43.	BDS ISO 10694:2024	Soil quality - Determination of organic and total carbon after dry combustion (elementary analysis).
44.	BDS ISO 11047:2024	Soil quality - Determination of cadmium, chromium, cobalt, copper, lead, manganese, nickel and zinc in aqua regia extracts of soil - Flame and electrothermal atomic absorption spectrometric methods.
45.	BDS ISO 11261:2024	Soil quality - Determination of total nitrogen - Modified Kjeldahl method.
46.	BDS ISO 11465:2024	Soil quality - Determination of dry matter and water content on a mass basis - Gravimetric method.
47.	BDS ISO 15178:2024	Soil quality - Determination of total sulfur by dry combustion.
48.	BDS ISO 17184:2024	Soil quality - Determination of carbon and nitrogen by near-infrared spectrometry (NIRS).
49.	BDS ISO 17318:2024	Fertilizers and soil conditioners - Determination of arsenic, cadmium, chromium, lead and mercury contents.
50.	BDS ISO 7934:2024	Stationary source emissions - Determination of the mass concentration of sulfur dioxide - Hydrogen peroxide/barium perchlorate/Thorin method - Amendment 1
51.	BDS ISO 7935:2024	Stationary source emissions - Determination of the mass concentration of sulfur dioxide - Performance characteristics of automated measuring methods.
52.	BDS ISO 9096:2024	Stationary source emissions - Manual determination of mass

		concentration of particulate matter.
53.	BDS ASTM D2825:2023	Standard Terminology Relating to Polishes and Related Materials.
54.	BDS ASTM D495:2024	Standard Test Method for High-Voltage, Low-Current, Dry Arc Resistance of Solid Electrical Insulation.
55.	BDS ASTM D1533:2024	Standard Test Method for Water in Insulating Liquids by Coulometric Karl Fischer Titration.
56.	BDS ASTM D1552:2024	Standard Test Method for Sulfur in Petroleum Products by High Temperature Combustion and Infrared (IR) Detection or Thermal Conductivity Detection (TCD).
57.	BDS ASTM D2007:2024	Standard Test Method for Characteristic Groups in Rubber Extender and Processing Oils and Other Petroleum-Derived Oils by the Clay-Gel Absorption Chromatographic Method.
58.	BDS ASTM D4176:2024	Standard Test Method for Free Water and Particulate Contamination in Distillate Fuels (Visual Inspection Procedures).
59.	BDS ASTM D4927:2024	Standard Test Methods for Elemental Analysis of Lubricant and Additive Components-Barium, Calcium, Phosphorus, Sulfur, and Zinc by Wavelength-Dispersive X-Ray Fluorescence Spectroscopy.
60.	BDS ASTM D7419:2024	Standard Test Method for Determination of Total Aromatics and Total Saturates in Lube Basestocks by High Performance Liquid Chromatography (HPLC) with Refractive Index Detection.

Jute and Textile Division (Total 50 Standards)

Sl. No.	BDS Number	Title
1.	BDS 32:2024	Specification for Poplin Fabric (<i>Fourth Revision</i>).
2.	BDS 1331:2024	Specification for Handloom Cotton Lungi (<i>Third Revision</i>).
3.	BDS1882:2024	Specification for Synthetic Mosquito Nets (<i>First Revision</i>).
4.	BDS1898:2024	Specification for Towels and Towelling (<i>First Revision</i>).
5.	BDS 1920:2024	Specification for Jamdani Sharee (<i>First Revision</i>).
6.	BDS 2024:2024	Specification for Reusable Sanitary Napkin.
7.	BDS 2027: 2024	Specification for Plaster of Paris bandage.
8.	BDS 2028: 2024	Methods of Test for Surgical Dressings.
9.	BDS ISO 105-C06:2024	Textiles — Tests for colour fastness — Part C06: Colour fastness to domestic and commercial laundering.
10.	BDS ISO 675:2024	Textiles — Woven fabrics — Determination of dimensional change on commercial laundering near the boiling point.
11.	BDS ISO 1107:2024	Fishing nets — Netting — Basic terms and definitions.
12.	BDS ISO 1140:2024	Fibre ropes — Polyamide — 3-, 4-, 8- and 12-strand ropes.
13.	BDS ISO 1141:2024	Fibre ropes — Polyester — 3-, 4-, 8- and 12-strand ropes
14.	BDS ISO 1346:2024	Fibre ropes — Polypropylene split film, monofilament and multifilament (PP2) and polypropylene high-tenacity multifilament (PP3) — 3-, 4-, 8- and 12-strand ropes
15.	BDS ISO 1833-5: 2024	Textiles — Quantitative chemical analysis — Part 5: Mixtures of viscose, cupro or modal and cotton fibres (method using sodium zincate).
16.	BDS ISO 1833-7: 2024	Textiles — Quantitative chemical analysis — Part 7: Mixtures of polyamide with certain other fibres (method using formic acid).
17.	BDS ISO 1833-11: 2024	Textiles — Quantitative chemical analysis — Part 11: Mixtures of certain cellulose fibres with certain other fibres (method using sulfuric acid).
18.	BDS ISO 1833-12: 2024	Textiles — Quantitative chemical analysis — Part 12: Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastane fibres with certain other fibres (method using dimethylformamide).
19.	BDS ISO 1833-13: 2024	Textiles — Quantitative chemical analysis — Part 13: Mixtures of certain chlorofibres with certain other fibres (method using carbon disulfide/acetone).
20.	BDS ISO 1833-14: 2024	Textiles — Quantitative chemical analysis — Part 14: Mixtures of acetate with certain other fibres (method using glacial acetic acid).

21.	BDS ISO 2307:2024	Fibre ropes — Determination of certain physical and mechanical properties.
22.	BDS ISO 2313-1:2024	Textiles — Determination of the recovery from creasing of a folded specimen of fabric by measuring the angle of recovery — Part 1: Method of the horizontally folded specimen.
23.	BDS ISO 2313-2:2024	Textiles — Determination of the recovery from creasing of a folded specimen of fabric by measuring the angle of recovery — Part 2: Method of the vertically folded specimen.
24.	BDS ISO 3074:2024	Wool — Determination of dichloromethane-soluble matter in combed sliver.
25.	BDS ISO 3175-5:2024	Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 5: Procedure for testing performance when cleaning and finishing using dibutoxymethane.
26.	BDS ISO 3175-6:2024	Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 6: Procedure for testing performance when cleaning and finishing using decamethyl pentacyclosiloxane.
27.	BDS ISO/TS 3736-1: 2024	Digital fitting — Service process — Part 1: Ready-to-wear clothing online and offline.
28.	BDS ISO/TS 3736-2: 2024	Digital fitting — Service process — Part 2: Customized clothing online and offline.
29.	BDS ISO 4167:2024	Polyolefin agricultural twines.
30.	BDS ISO 7211-5: 2024	Textiles — Methods for analysis of woven fabrics construction — Part 5: Determination of linear density of yarn removed from fabric.
31.	BDS ISO 9354: 2024	Textiles — Weaves — Coding system and examples.
32.	BDS ISO 9073-2:2024	Textiles — Test methods for nonwovens — Part 2: Determination of thickness.
33.	BDS ISO 9073-3:2024	Nonwovens Test methods Part 3: Determination of tensile strength and elongation at break using the strip method.
34.	BDS ISO 9073-4:2024	Nonwovens — Test methods — Part 4: Determination of tear resistance by the trapezoid procedure.
35.	BDS ISO 9073-5:2024	Textiles — Test methods for nonwovens — Part 5: Determination of resistance to mechanical penetration (ball burst procedure).
36.	BDS ISO 9073-7:2024	Textiles Test methods for nonwovens Part 7: Determination of bending length.
37.	BDS ISO 9073-8:2024	Textiles Test methods for nonwovens Part 8: Determination of liquid strike-through time (simulated urine).
38.	BDS ISO 9073-9:2024	Textiles Test methods for nonwovens Part 9: Determination of drapability including drape coefficient.
39.	BDS ISO 9073-10:2024	Textiles Test methods for nonwovens Part 10: Lint and other particles generation in the dry state.
40.	BDS ISO 9073-11:2024	Textiles Test methods for nonwovens Part 11: Run-off.
41.	BDS ISO 9073-12:2024	Textiles Test methods for nonwovens Part 12: Demand absorbency.
42.	BDS ISO 9554:2024	Fibre ropes — General specifications
43.	BDS ISO 11224: 2024	Textiles — Web formation and bonding in nonwovens — Vocabulary.
44.	BDS ISO 12945-1:2024	Textiles — Determination of fabric propensity to surface pilling, fuzzing or matting — Part 1: Pilling box method.
45.	BDS ISO 12945-2:2024	Textiles — Determination of fabric propensity to surface pilling, fuzzing or matting — Part 2: Modified Martindale method.
46.	BDS ISO 13688: 2024	Protective clothing — General requirements AMENDMENT 1.
47.	BDS ISO 20947-1: 2024	Performance evaluation protocol for digital fitting systems — Part 1: Accuracy of virtual human body representation
48.	BDS ISO 20947-2: 2024	Performance evaluation protocol for digital fitting systems — Part 2: Virtual garment
49.	BDS OIC/SMIIC 27:2024	Machine-Made Woven Carpets Used for Masjids.
50.	BDS ISO 9073-15:2024	Textiles — Test methods for nonwovens — Part 15: Determination of air permeability

Engineering Division (Total 61 Standards):

Sl. No.	BDS Number	Title
1.	BDS EN 196-1:2023	Methods of testing Cement — Part 1: Determination of strength
2.	BDS EN 196-2:2023	Methods of testing Cement — Part 2: Chemical analysis of cement
3.	BDS EN 196-3:2023	Methods of testing Cement — Part 3: Determination of setting time and soundness
4.	BDS EN 196-6:2023	Methods of testing Cement — Part 6: Determination of fineness
5.	BDS EN 451-1:2023	Methods of testing Fly ash — Part 1: Determination of free calcium oxide content
6.	BDS EN 197-1:2023	Cement — Part 1: Composition, specifications and conformity criteria for common cements
7.	BDS EN 197-2:2023	Cement — Part 2: Conformity Cement evaluation
8.	BDS ASTM C1790:2023	Standard Specification for Fly Ash Facing Brick
9.	BDS ASTM F1312:2023	Standard Specification for Brick, Insulating, High Temperature, Fire Clay
10.	BDS ASTM C133:2023	Test Methods for Cold Crushing Strength and Modulus of Rupture of Refractories
11.	BDS ASTM C134:2023	Test Methods for Size, Dimensional Measurements, and Bulk Density of Refractory Brick and Insulating Firebrick
12.	BDS ASTM C155:2023	Classification of Insulating Firebrick
13.	BDS ASTM C210:2023	Test Method for Reheat Change of Insulating Firebrick
14.	BDS ASTM D2397/D2397M:2023	Standard Specification for Cationic Emulsified Asphalt
15.	BDS ASTM D8239:2023	Standard Specification for Performance-Graded Asphalt Binder Using the Multiple Stress Creep and Recovery (MSCR) Test
16.	BDS ISO 3008-1:2023	Fire resistance tests — Door and shutter assemblies — Part 1: General requirements
17.	BDS ISO 3008-2:2023	Fire-resistance tests — Part 2: Lift landing door assemblies
18.	BDS ISO 3008-3:2023	Fire-resistance tests— Part 3: Door and shutter assemblies horizontally oriented
19.	BDS ISO 3008-4:2023	Fire resistance tests — Door and shutter assemblies — Part 4: Linear joint fire seal materials used to seal the gap between a fire door frame and the supporting construction
20.	BDS ISO 4427-1 :2023	Plastics piping systems for water supply and for drainage and sewerage under pressure — Polyethylene (PE)— Part 1: General
21.	BDS ISO 4427-2 :2023	Plastics piping systems for water supply and for drainage and sewerage under pressure — Polyethylene (PE)— Part 2: Pipes
22.	BDS ISO 4427-3 :2023	Plastics piping systems for water supply and for drainage and sewerage under pressure — Polyethylene (PE)— Part 3: Fittings
23.	BDS ISO 4427-5 :2023	Plastics piping systems for water supply and for drainage and sewerage under pressure — Polyethylene (PE)— Part 5: Fitness for purpose of the system
24.	BDS EN 12608-1 :2023	Unplasticized poly(vinyl chloride) (PVCU) profiles for the fabrication of windows and doors – Classification, requirements and test methods – Part 1: Noncoated PVCU profiles with light coloured surfaces
25.	BDS ISO 21306-1:2023	Plastics — Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials — Part 1:Designation system and basis for specifications
26.	BDS ISO 21306-2:2023	Plastics — Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties
27.	BDS ASTM D5334:2023	Standard Test Method for Determination of Thermal Conductivity of Soil and Rock by Thermal Needle Probe Procedure
28.	BDS ASTM D2216:2023	Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
29.	BDS ASTM D7263:2023	Standard Test Methods for Laboratory Determination of

		Density and Unit Weight of Soil Specimens
30.	BDS ASTM D854:2023	Standard Test Methods for Specific Gravity of Soil Solids by Water Pycnometer
31.	BDS ASTM D5550:2023	Standard Test Method for Specific Gravity of Soil Solids by Gas Pycnometer
32.	BDS ASTM D7928:2023	Standard Test Method for Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis
33.	BDS ASTM D2435:2023	Standard Test Methods for One-Dimensional Consolidation Properties of Soils Using Incremental Loading
34.	BDS ASTM D3441:2023	Standard Test Method for Mechanical Cone Penetration Testing of Soils
35.	BDS ASTM D2166:2023	Standard Test Method for Unconfined Compressive Strength of Cohesive Soil
36.	BDS ASTM D2850:2023	Standard Test Method for Unconsolidated-Undrained Triaxial Compression Test on Cohesive Soils
37.	BDS ASTM D7181:2023	Standard Test Method for Consolidated Drained Triaxial Compression Test for Soils
38.	BDS ASTM D4318:2023	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
39.	BDS EN 397:2024	Industrial safety helmets
40.	BDS ISO 630-1:2024	Structural steels — Part 1: General technical delivery conditions for hot-rolled products
41.	BDS ISO 630-2:2024	Structural steels — Part 2: Technical delivery conditions for structural steels for general purposes
42.	BDS ISO 630-3:2024	Structural steels — Part 3: Technical delivery conditions for fine-grain structural steels
43.	BDS ISO 630-4:2024	Structural steels — Part 4: Technical delivery conditions for high yield strength quenched and tempered structural steel plates and wide flats
44.	BDS ASTM A53/A53M:2024	Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless
45.	BDS ISO 20819-1:2024	Plastics Wood-plastic recycled composites (WPRC) Part 1: Specification
46.	BDS ISO 20819-2:2024	Plastics Wood-plastic recycled composites (WPRC) Part 2: Test methods
47.	BDS ASTM D7031:2024	Standard Guide for Evaluating Mechanical and Physical Properties of Wood- Plastic Composite Products
48.	BDS 1849-1:2024	Household refrigerating appliances- Characteristics, test methods and energy efficiency labelling –Part 1: General requirements
49.	BDS 1849-2:2024	Household refrigerating appliances- Characteristics, test methods and energy efficiency labelling - Part 2: Performance requirements
50.	BDS 1849-3:2024	Household refrigerating appliances- Characteristics, test methods and energy efficiency labelling - Part 3: Energy consumption and volume
51.	BDS 1850:2024	Household refrigerating appliances- Characteristics, test methods and energy efficiency labelling- Energy labelling and others compliance criteria (1st revision)
52.	BDS IEC 60379:2024	Methods for measuring the performance of electric storage water heaters for household purposes
53.	BDS ISO 19869:2024	Clean cookstoves and clean cooking solutions — Field testing methods for cookstoves
54.	BDS ISO 2714:2024	Liquid hydrocarbons-Volumetric measurement by displacement meter
55.	BDS ISO 5151:2024	Non-ducted air conditioners and heat pumps — Testing and rating for performance
56.	BDS ISO 13253:2024	Ducted air-conditioners and air-to-air heat pumps — Testing and rating for performance
57.	BDS ISO 5149-4:2024	Refrigerating systems and heat pumps — Safety and environmental requirements — Part 4: Operation, maintenance,

		repair and recovery
58.	BDS ISO 817/Amd 2:2024	Refrigerants — Designation and safety classification — Amendment 2
59.	BDS ISO 4126-2:2024	Safety devices for protection against excessive pressure — Part 2: Bursting disc safety devices
60.	BDS ISO 7010:2024	Graphical symbols — Safety colours and safety signs — Registered safety signs with Amendments
61.	BDS ISO 15042:2024	Multiple split-system air conditioners and air-to-air heat pumps — Testing and rating for performance

Electrical and Electronics Division (Total 55 Standards):

Sl. No.	BDS Number	Title
1.	BDS ISO 10006:2023	Quality management – Guidelines for quality management in projects
2.	BDS ISO 10013:2023	Quality management systems – Guidance for documented information
3.	BDS ISO 10014:2023	Quality management systems – Managing an organization for quality results – Guidance for realizing financial and economic benefits
4.	BDS ISO 10015:2023	Quality management – Guidelines for competence management and people development
5.	BDS ISO 10017:2023	Quality management – Guidance on statistical techniques for ISO 9001:2015
6.	BDS ISO 10018:2023	Quality management – Guidance for people engagement
7.	BDS ISO 10019:2023	Guidelines for the selection of quality management system consultants and use of their services
8.	BDS ISO/TS 10020:2023	Quality management systems – Organizational change management – Processes
9.	BDS ISO 13528:2023	Statistical methods for use in proficiency testing by interlaboratory comparison
10.	BDS ISO 14020:2023	Environmental statements and programmes for products – Principles and general requirements
11.	BDS ISO 14021:2023	Environmental labels and declarations – Self-declared environmental claims (Type II environmental labelling)
12.	BDS ISO 14024:2023	Environmental labels and declarations – Type I environmental labelling – Principles and procedures
13.	BDS ISO 14025:2023	Environmental labels and declarations – Type III environmental declarations – Principles and procedures
14.	BDS ISO/TS 14027:2023	Environmental labels and declarations – Development of product category rules
15.	BDS ISO 14050:2023	Environmental management – Vocabulary
16.	BDS ISO 14090:2023	Adaptation to climate change – Principles, requirements and guidelines
17.	BDS ISO 15189:2023	Medical laboratories – Requirements for quality and competence
18.	BDS ISO/IEC17000:2023	Conformity assessment – Vocabulary and general principles
19.	BDS ISO/IEC17007:2023	Conformity assessment – Guidance for drafting normative documents suitable for use for conformity assessment
20.	BDS ISO 22003-1:2023	Food safety – Part 1: Requirements for bodies providing audit and certification of food safety management systems
21.	BDS ISO 22003-2:2023	Food safety – Part 2: Requirements for bodies providing evaluation and certification of products, processes and services, including an audit of the food safety system
22.	BDS ISO 30415:2023	Human resource management – Diversity and inclusion
23.	BDS ISO/TS 30421:2023	Human resource management – Turnover and retention metrics
24.	BDS ISO 30422:2023	Human resource management – Learning and development
25.	BDS ISO/TS 30423:2023	Human resource management – Compliance and ethics metrics cluster
26.	BDS IEC 62430:2023	Environmentally conscious design (ECD) – Principles, requirements and guidance
27.	BDS IEC 60335-2-3:2024	Household and similar electrical appliances – Safety – Part 2-3: Particular requirements for electric irons
28.	BDS IEC 60335-2-5:2024	Household and similar electrical appliances - Safety – Part 2-5: Particular requirements for dishwashers
29.	BDS IEC 60335-2-7:2024	Household and similar electrical appliances – Safety – Part 2-7:

		Particular requirements for washing machines
30.	BDS ISO/IEC 20924:2024	Internet of things (IoT) – Vocabulary
31.	BDS ISO/IEC 21823-1:2024	Internet of things (IoT) – Interoperability for iot systems – Part 1: Framework
32.	BDS ISO/IEC 21823-2:2024	Internet of things (IoT) – Interoperability for iot systems – Part 2: Transport interoperability
33.	BDS ISO/IEC 21823-3:2024	Internet of things (IoT) – Interoperability for iot systems – Part 3: Semantic interoperability
34.	BDS ISO/IEC 21823-4:2024	Internet of things (IoT) – Interoperability for iot systems – Part 1: Syntactic interoperability
35.	BDS ISO/IEC 22989:2024	Information technology – Artificial intelligence – Artificial intelligence concepts and terminology
36.	BDS ISO/IEC 27001:2024	Information security, cybersecurity and privacy protection – Information security management systems – Requirements
37.	BDS ISO/IEC 30141:2024	Internet of Things (IoT) – Reference architecture
38.	BDS ISO/IEC 30147:2024	Information technology – Internet of things – Integration of IoT trustworthiness activities in ISO/IEC/IEEE 15288 system engineering processes
39.	BDS ISO/IEC 30161-1:2024	Internet of things (IoT) – Data exchange platform for IoT services – Part 1: General requirements and architecture
40.	BDS ISO/IEC 30161-2:2024	Internet of things (IoT) – Data exchange platform for IoT services – Part 2: Transport interoperability between nodal points
41.	BDS ISO/IEC 30162:2024	Internet of Things (IoT) – Compatibility requirements and model for devices within industrial IoT systems
42.	BDS ISO/IEC 30163:2024	Internet of Things (IoT) – System requirements of IoT and sensor network technology-based integrated platform for chattel asset monitoring
43.	BDS ISO/IEC TR 30164:2024	Internet of things (IoT) – Edge computing
44.	BDS ISO/IEC 30165:2024	Internet of Things (IoT) – Real-time IoT framework
45.	BDS ISO/IEC TR 30166:2024	Internet of things (IoT) – Industrial IoT
46.	BDS ISO 9488:2024	Solar energy – Vocabulary
47.	BDS IEC 60749-20-1:2024	Semiconductor devices – Mechanical and climatic test methods – Part 20-1: Handling, packing, labelling and shipping of surface-mount devices sensitive to the combined effect of moisture and soldering heat
48.	BDS IEC 60891:2024	Photovoltaic devices – Procedures for temperature and irradiance corrections to measured I-V characteristics
49.	BDS IEC 61724-1:2024	Photovoltaic system performance – Part 1: Monitoring
50.	BDS IEC 61730-1:2024	Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction
51.	BDS IEC 61730-2:2024	Photovoltaic (PV) module safety qualification – Part 2: Requirements for testing
52.	BDS IEC 62093:2024	Photovoltaic system power conversion equipment – Design qualification and type approval
53.	BDS IEC 62108:2024	Concentrator photovoltaic (CPV) modules and assemblies – Design qualification and type approval
54.	BDS ISO 21001:2024	Educational organizations – Management systems for educational organizations – Requirements with guidance for use
55.	BDS ISO 21401:2024	Tourism and related services – Sustainability management system for accommodation establishments – Requirements.

2. Physical Testing Wing

Physical Testing Wing consists of 3 (three) Divisions which are as follows:

- 1. Civil, Physical and Mechanical Engineering Division**
- 2. Electrical, Electronics and Engineering Division**
- 3. Textile Division.**

2.1 Civil, Physical and Mechanical Division:

Civil, Physical and Mechanical Division performs the functions through the following laboratories:

a) Cement Testing Laboratory

The purpose of this laboratory is to test different type of cements according to BDS EN 197-1. The laboratory has Compression Testing Machine (Capacity 250 kN) to test compression and flexural properties of cement. Automatic Mortar Mixer and Jolting Machine with 3 gangs moulds are used to make moulds of cement-Mortar mixer. There are Humidity & Temperature Control Cabinet and Curing Tank for conditioning the samples.

b) Brick Testing Laboratory

Compression Testing Machine (Capacity 250 Tons), Hot Air Oven, Weight Balance are used to test clay bricks, hollow bricks & blocks, Paving blocks etc.

c) Tiles Testing Laboratory

Flexural Strength Tester (Capacity 1000kg & 2000 kg), Abrasion Tester, Hot air oven are used to test various parameters of ceramic tiles according to BDS ISO 13006.

d) Paper Testing Laboratory

There are Air Permeability Tester, Brightness & Opacity Tester, Bendsten Roughness Tester, Horizontal Tensile Testing Machine (Capacity 100 N), Paper Tensile Tester (Capacity 5kg), Tear Testing Machine, Cobb Testing Device, Burst Testing Machine to analyze various properties of paper and tissue.



Paper Testing Laboratory

e) Metal Testing Laboratory

This Laboratory can analyze tensile properties, Compression, bend or flex of MS Rod, MS Sheet, MS/GI Pipe and other metal with Universal Testing Machine (UTM) (Capacity 1000kN & 50 Tons). BSTI has recently setup Universal Testing Machine (UTM) (Capacity 2000kN) to test tensile properties of MS rod upto 50 mm diameter according to BDS ISO 6935.

f) Blade Testing Laboratory

This laboratory can perform to test different parameters of safety razor blade and disposable razor blade with Vicker Hardness Tester and Bevel Angle Testing Machine.

g) Pipe & Plastics Testing Laboratory

BSTI has recently setup Universal Testing Machine (Capacity 50kN) for analyzing tension, compression, bend and flex of rubber and plastic products. Hydrostatic Pressure testing bench with three stations is used for pressure resistance of pipe.



Pipe & Plastics Testing Laboratory

h) Sanitary ware & Tableware Testing Laboratory

Hot Air Oven, Hot Bath, Weight Balance, Autoclave are used to test different properties of ceramic and sanitary products in this laboratory.

i) Gas Cylinder Testing Laboratory

BSTI has recently established Gas Cylinder Testing Laboratory, where hydrostatic test at specified pressure of Gas Cylinder can be performed. There are Hydrostatic Pressure testing machine with six stations and one station (Capacity 50 bar), Weight Balance (Capacity 100 kg) in this laboratory.

2.2 Electrical, Electronics and Engineering Division:

Electrical, Electronics and Engineering Division performs the functions through the following laboratories:

a) Refrigerator Testing Laboratory

The purpose of this laboratory is to test different type of refrigerator. The laboratory has 4 stations in its chamber to test 4 refrigerators at a time.

b) Motor Testing Laboratory

The purpose of this laboratory is to test Electric AC motors performance both of single-phase and three-phase.

c) Fan Testing Laboratory

This Laboratory can analyze various technical features of electric fan as per BDS 818:2006 & BDS 1860:2012. The Laboratory has Multi-Channel Air Flow measuring device, Which can perform simultaneous measurement of air velocity, temperature and humidity in real-time at 32 positions using USB based sensors.

d) Energy Meter Testing Laboratory

Energy Meter Testing Laboratory has computerized automatic digital single phase AC energy meter test benches to test Electro mechanical meter, Static watt hour meter and Pre-payment meter of different classes.



Energy Meter Testing Laboratory

e) L.A.S Battery Testing Laboratory

Charging and discharging facilities can test different type of LAS Battery, Solar Battery and EV Battery.

f) Cable Testing Laboratory

Cable Testing Lab is well equipped with modern instrument to test different kind of cable such as PVC insulated cable, Flexible cord, Power cable, XLPE cable, AAC and ACSR.

g) Lighting Product Testing Laboratory

All kind of Tubular fluorescent lamp, Compact fluorescent lamp, Incandescent lamp, LED light, Neon light, Halogen light, LED Street light, Electronic ballast & magnetic ballast are tested in this laboratory.



Lighting Product Testing Laboratory

h) Air Conditioner Testing Laboratory:

This Laboratory can analyze various technical features of Air Conditioners with Air-Enthalpy Method by means of measuring the air temperature, air flow, pressure and electric parameter of the tested unit to testing cooling capacity & heating capacity. The split type, cassette type, window type, cabinet type Air Conditioner can be tested in this lab. System has the functions of semi-auto working condition control, auto testing, recording and auto-made & printing test report. **Recently Air Conditioner Lab has been Accredited by BAB.**

i) Super Enameled Copper Wire Testing Laboratory

Super enameled copper wires those are use in electric motor, Transformer, Ceiling fan are tested in this laboratory.

j) Bakelite Testing Laboratory

Switch, Plug, Socket, and Ceiling Roses are tested in this laboratory.

k) Transformer Testing Laboratory

Single Phase Transformer and Three Phase Transformer are tested in this laboratory.

l) Photovoltaic Inverter(PV) Testing Laboratory

Photovoltaic Inverter (PV) is one of the main equipment in Charger can also test in this laboratory.



Photovoltaic Inverter(PV) Testing Lab.

The following other electrical products are also tested at BSTI:

PV Module, Charge Controller, Dry cell battery, Watch battery, LT & HT cable, Porcelain insulator, Electric line materials (Transmission & distribution), Circuit breaker, Meter box, Electric iron etc.

2.3 Textile Testing Division

It performs the functions through the following laboratories:

1. Textile Mechanical Laboratory
2. Textile Chemical Laboratory



Textile Mechanical Laboratory

2.4 Activities of Physical Testing Wing

SL.	Activities	2021-2022	2022-2023	2023-2024
1.	Electric Energy Meter tested	391820 Nos	492318 Nos.	484554 Nos.
2.	a) Civil, Physical & Mechanical samples tested b) Electrical samples tested c) Textile samples tested	13112 Nos	15291 Nos.	17910 Nos.
3.	Revenue Income (in lac.)	Tk. 505.61	Tk. 807.47	Tk. 889.70

3. Chemical Testing Wing

BSTI Chemical Laboratory established in 1955. It has an envinous track record of serving several market leaders across the

globe. The Functions of Chemical Testing Wing is to ensure the quality and safety of Food, Agricultural products, Organic and Inorganic Industrial products produced locally/imported by testing with modern equipment as per National and International Standards. Chemical testing wing consists of two divisions, These are:

1. Food and Bacteriology Division
2. Chemical Division

The sources of the sample are given below:

- ❖ Samples of compulsory items under Certification Marks Scheme, BSTI;
- ❖ Samples received from Govt. Semi Govt. & Autonomous Bodies;
- ❖ Finished products & raw material of the products of various industries;
- ❖ Import & Exportable items;
- ❖ Sample received from Department of Police/CID/DB/SB/Customs;
- ❖ Sample collected by surveillance team from open market to ensure the quality of the products;
- ❖ Sample received from mobile courts in connection with arbitration of case on disputes of quality;
- ❖ Samples seized by the Police/RAB;
- ❖ Sample received from individuals or Private sector.

3.1 Food and Bacteriology Division

The Food & Bacteriology Divisions perform the tests through the following laboratories:

Cereal and Bakery Products Laboratory:

Test Items: Pastry, Decorated Cake, Malt Based Food, Sucralose, Food Grade Biscuits, Chanachur, Noodles, Instant Noodles, White Bread, Lachsa Shemai, Cake, Muri, Corn Flakes, Oats, Roti (Flat/Bread), Sucralose, Food Grade, Bread Rolls, Quick Frozen French Fried Potatoes, Baking Powder etc.

Spices and Condiments Laboratory:

Test Items: Chillies (Whole & Ground), Turmeric powder, Coriander powder, Cumin powder, Curry Powder, Suji, Atta, Maida etc.

Milk and Milk Products Laboratory:

Test Items: Chhana, Sweetmeats, Cheese, Cream Cheese, Extra hard grating cheese, Whey cheeses, Whey Powder Pasteurized milk, Toffees, yoghurt & Sweetened yoghurt, Ice-cream, Ice-lolly, Whole milk powder & Skimmed milk powder, Infant formula, A Blend of Skimmed milk and Vegetables fat in powder Form, UHT Milk, Flavoured Milk, Butter oil, Ghee, etc.

Processed Fruits Products and Fruit Drinks Laboratory

Test Items: Fruit Juice, Fruit Drinks, Jam, Jelly, Marmalade, Pickles, Sauce, Tomato ketchup, Tomato paste, Chutney, Fruit squash, Fruit syrup, Fruit cordial, Edible jell, Vinegar etc.



LC-MSMS

Oils and Fats Products Laboratory

Test Items: Mayonnaise, Margarine, Virgin Coconut Oil, Olive Oils and Olive Pomace Oils Fortified soybean oil, Mustard oil, Fortified palm oil, Fortified palm olein, Rice bran oil, Sunflower oil, Black seed oil, Banaspati etc.



HPLC for Vitamin

Water and Beverages Laboratory

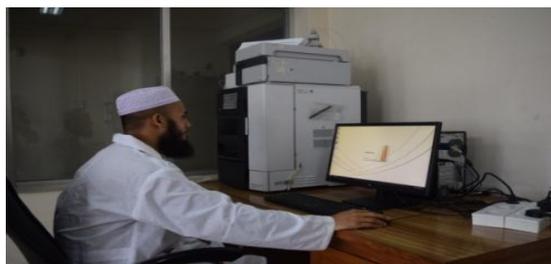
Test Items: Water, Carbonated beverage, Tea, Lozenges, Sugar, Honey, Soft drink powder, Dextrose monohydrates etc.



UV-Visible Spectrophotometer

Microbiological Laboratories

Test Items: Disposable Diaper, Nonwoven Wipes, Reusable Sanitary Napkin, Sanitary Napkin, Fruit juice, Fruits drinks, Tomato ketchup, Tomato paste, Chutney, Fruit squash, Skin Cream, Shampoo, Toothpaste, Baby Products, Hair Oil, etc.



HPLC for Food Color

3.2 Chemical Division

Chemical Divisions perform the tests through the following laboratories.

Soap and detergent laboratories:

Test Items: Glycerin Toilet Soap , Transparent Toilet Soaps , Liquid Toilet Soap ,Toilet soap, Laundry soap, Carbolic soap, Synthetic detergent powder, Household Dish washing Liquid, Floor Liquid Detergents, Liquid Toilet Cleaner, Liquid Hand Wash, Alcohol Based Hand Sanitizer and Shampoo, Containers for Packaging of Mineral Water and Drinking Water.



Soap and detergent Lab

Cosmetic products laboratory:

Test Items: Skin Cream, After Shaving Lotion, Lipstick, Shaving Cream, Hair oil, Hair Cream , Skin and Face Powder, Coconut oil, Natural Henna/Mehedi (Powder and paste), Nail Polish, Face wash, Petroleum jelly, Eye care Products, Shaving Foam, Hair Dyes (Liquid), Kajol, Face Pack etc.

Ceramic products laboratory:

Test Items: Ceramic tableware, Tiles, Tableware made of Melamine Moulding Compound, Glass Tableware etc.

Gold testing laboratory:

Test Items: Ornaments and Medal made of Gold, Silver, Bronze etc.

Paper and pulp laboratory:

Test Items: Facial Tissue Paper ,Toilet Tissue, Safety Matches In Boxes , Plywood Tea Chests , Stencil Paper, Writing and Printing Paper, Newsprint Paper, Security Paper, Carbon Paper, Colour Pencils etc.

Leather products laboratory Test Items: Leather Products, Shoe Polish, Direct Moulded Sole (DMS) etc.

3.3 Innovative Work of Chemical Testing Wing:

1. Development of analytical method for analysis of food color (Sunset Yellow and Tartrazine) in Processed Fruit products and Carbonated Beverage by HPLC.



Microbiological Lab

Building materials Laboratory:

Test Items: MS Rod, GP Sheet and CGS Sheet, Cement, Polyethylene (PE) pipes, uPVC Pipes, Structural Steel and Angels etc.



Building materials Laboratories

Petrol And Petroleum Products laboratory:

Test Items: Internal Combustion Engine Crankcase Oils (Diesel and Gasoline), Unleaded Motor Gasoline Premium (Octane) Unleaded Motor Gasoline regular (Petrol), Hi Speed Diesel, Bitumen, Alkatra.

Chemical fertilizer Laboratory:

Test Items: Chemical fertilizer (Organic & inorganic), TSP, Ammonium Sulphate.

Instrumental Laboratories:



ICP-OES

- AAS and GC Lab (Toxic Metal -As, Pb, Fe, Hg etc. and Erucic Acid)
- GC-MS Lab (Melamine)
- HPLC Lab (Hydroquinone, Vitamins, Preservatives, Caffeine etc)
- LC MSMS Lab
- GC MSMS Lab
- ICP-OES and ED-XRF Lab (Gold & Heavy Metals)

2. Development of analytical method for analysis of Benzoic Acid and Sorbic Acid for fruits and vegetable products by HPLC.
3. Determination of Antibiotic Residues in Pasteurized milk by LC-MS/MS.
4. Development of analytical method for analysis of Sorbic Acid of Carbonated Beverage by HPLC.
5. Development of analytical method for analysis of migration of Antimony, Lead, Cadmium, Chromium, Nickel and Mercury from Containers into Mineral Water and Drinking Water by Atomic Absorption Spectrophotometer (AAS).
6. Development of analytical method for analysis of migrated Acetaldehyde from Containers into Mineral Water and Drinking Water by Gas-Chromatograph (GC).
7. Development of analytical method for analysis of Composition of Hand Sanitizer by Gas-Chromatograph (GC).
8. Development of analytical method for analysis of Hydroquinone in Skin Cream by HPLC.

3.4 Activities of Chemical Testing Wing:

Activities	2021-22	2022-23	2023-2024
Number of Tested Food Commodities, Organic Commodities and Inorganic Commodities	29507	30185	32502
Revenue Income (in lac Tk.)	2288.76	2823	3086.20

4. Metrology Wing

Metrology is the scientific study of measurement. Metrology is defined by the International Bureau of Weights and Measures (BIPM) as "the science of measurement, embracing both experimental and theoretical determinations at any level of uncertainty in any field of science and technology". It establishes a common understanding of units, crucial to human activity. Metrology is a wide reaching field, but can be summarized through three basic activities: the definition of internationally accepted units of measurement, the realisation of these units of measurement in practice, and the application of chains of traceability (linking measurements to reference standards). These concepts apply in different degrees to metrology's three main fields:

- scientific metrology;
- applied, technical or industrial metrology; and
- legal metrology.

Scientific metrology:

Scientific metrology is concerned with the establishment of units of measurement, the development of new measurement methods, the realisation of measurement standards, and the transfer of traceability from these standards to users in a society. This type of metrology is considered the top level of metrology which strives for the highest degree of accuracy. BIPM maintains a database of the metrological calibration and measurement capabilities of institutes around the world. These institutes, whose activities are peer-reviewed, provide the fundamental reference points for metrological traceability. In the area of measurement, BIPM has identified nine metrology areas, which are:

- acoustics;
- electricity and magnetism;
- length;
- mass and related quantities;
- photometry and radiometry;
- ionizing radiation;
- time and frequency;
- thermometry; and

Recognition of the metrological competence in industry can be achieved through mutual recognition agreements, accreditation, or peer review. Industrial metrology is important to a country's economic and industrial development, and the condition of a country's industrial-metrology program can indicate its economic status.

Legal metrology:

Legal metrology "concerns activities which result from statutory requirements and concern measurement, units of measurement, measuring instruments and methods of measurement and which are performed by competent bodies". Such statutory requirements may arise from the need for protection of health, public safety, the environment, enabling taxation, protection of consumers and fair trade. The International Organization for Legal Metrology (OIML) was established to assist in harmonising regulations across national boundaries to ensure that legal requirements do not inhibit trade. This harmonisation ensures that certification of measuring devices in one country is compatible with another country's certification process, allowing the trade of the measuring devices and the products that rely on them.

BSTI Metrology wing is conducting its duties by two parts:

1. **National Metrology Laboratory (NML):**
Responsible for Scientific, applied, technical and industrial metrology activities.
2. **Legal Metrology:**
Responsible for legal activities.

1. National Metrology Laboratory (NML):

NML is responsible for the development and maintenance of the national measurement standards in physical and chemical quantities irrespective of whether these standards physically have the highest achievable accuracy (primary standards), when they are declared as

➤ chemistry.

Applied, technical or industrial metrology:

Applied, technical or industrial metrology is concerned with the application of measurement to manufacturing and other processes and their use in society, ensuring the suitability of measurement instruments, their calibration and quality control. Producing good measurements is important in industry as it has an impact on the value and quality of the end product, and a 10–15% impact on production costs. Although the emphasis in this area of metrology is on the measurements themselves, traceability of the measuring-device calibration is necessary to ensure confidence in the measurement.

There are seven laboratories in the National Metrology Laboratory. These are as follows:

- Mass Measurement Laboratory
- Length & Dimension at Measurement Laboratory
- Temperature Measurement Laboratory
- Volume, Viscosity and Density Measurement Laboratory
- Electrical, Time & Frequency Measurement Laboratory
- Force and Pressure Laboratory.
- Chemical Metrology Laboratory.

Three Regional Calibration Laboratory (RCL) are established at Dhaka, Chattogram and Khulna offices. NML laboratories acquired accreditation from Norwegian Accreditation (NA) and Bangladesh Accreditation Board (BAB). Presently NML laboratories are participating in different Key Comparisons to publish its Calibration and Measurement Capabilities (CMC) in BIPM KCDB.

the national measurement standard of a nation. They represent the countries measurement capability. Calibration activities are also an essential part of the national metrology system as well as the national quality system. The National Metrology Laboratory is the national custodian of reference standards and as such it must obtain, conserve, develop and disseminate the basic measurement units and the highest level of calibration standards. It provides traceability to the national measurement system and it ensures that international technical guidelines are followed for metrological performance for measuring instruments subject to legal controls. From the point of view of manufacturers, it ensures that their products meet international specifications for metrological requirements.

Activities of NML:

- i) To establish and maintain the national measurement system.
- ii) To provide traceability to the International System of Units (SI) to the national system.
- iii) Offer technical supports to industry related to measurements, reference materials, calibrations and data to establish traceability of their measurements.
- iv) To participate in modernization and technology transfer between academia, industry and government, contributing to the advancement of the scientific and technical infrastructure required by industry to compete in the present global markets.
- v) To facilitate international harmonization and compatibility of measurements.
- vi) Represents the country in the Regional Metrology Organization (RMO) and the world wide metrology system coordinated by BIPM.
- vii) Maintaining accreditation for NML laboratories.
- viii) Providing calibration services.
- ix) To participate in internationally organized inter-laboratory comparison measurements.
- x) Development of reference standards of the national measurement system.

Scope of NML-BSTI Calibration Services:

Field/Parameter	Quantity/Instrument	Measurement Range	Expanded Uncertainty (k=2)
Mass	Mass Standard	1-100 mg	0.003 - 0.005 mg
	Mass Standard	0.1 – 1 g	0.005 - 0.010 mg
	Mass Standard	1 – 10 g	0.010 - 0.020 mg
	Mass Standard	10-100 g	0.020 -0.050 mg
	Mass Standard	100 g – 1 kg	0.050 -0.5 mg
	Mass Standard	1 kg – 10 kg	0.5 -5 mg
Volume	Glassware – Flasks, pipettes, burettes, measuring cylinders, pycnometers, Beaker	1 – 500 ml	0.002-0.3 ml
	Micropipette	20 μ l - 200 μ l	0.07 - 20 μ l
Temperature	Liquid in glass thermometer	(-50 to 250) $^{\circ}$ C	0.07 $^{\circ}$ C
	Direct Reading Thermometer	-50 $^{\circ}$ C	0.05 $^{\circ}$ C
		0 $^{\circ}$ C	0.039 $^{\circ}$ C
		(50 to 250) $^{\circ}$ C	0.058 $^{\circ}$ C
Length	250 to 650 $^{\circ}$ C	0.1 $^{\circ}$ C	
	Engineers tape measure	0-10 m	0.08 mm
	Engineer steel rule	0-1500 mm	0.06 mm
	Dial Gauge	0-100 mm	1 μ m for LC-0.001 mm 6 μ m for LC-0.01 mm
	Height Gauge, Vernier Caliper	0-600 mm	10 μ m for LC-0.01 mm 14 μ m for LC-0.02 mm 30 μ m for LC-0.05 mm
	Micrometer	0-600 mm	0.6 μ m for LC-0.0001mm 1 μ m for LC-0.001 mm 4 μ m for LC-0.01 mm
	Gauge Block	1-100 mm	0.08 – 0.17 μ m
Balance	Feeler Gauge	Up to 1.0 mm	2.5 μ m
	Weighing Instruments	(0 to 220) g Readability \leq 0.1 mg	0.1 mg

	Weighing Instruments	220 g to 12 kg Readability ≤ 0.01 g	1.2 g
	Weighing Instruments	(100 to 500) kg Readability ≤ 5 g	30 mg - 5 g
Pressure	Gas medium	1.5 - 40 kPa	0.1 kPa
	Liquid medium	0.1 - 100 MPa	2 kPa
		0.5 - 4 Mpa	7 kPa
		2 - 25 MPa	25 kPa
		5 - 60 Mpa	50 kPa
	10 - 100 Mpa	65 kPa	
Time and Frequency	Time difference meter	100 - 100000 s	1 s

* Balance calibrations are preferably performed where the balance is used (in situ).

* Temperature installations include fridges, freezers, autoclaves, incubators, ovens and liquid baths (calibrations at customer's premises).

a) Mass Measurement Laboratory:

The principal role of the Physical Metrology Department is to promote world-wide compatibility in mass measurements by providing calibrations traceable to the kilogram. Weighing is a process in which the physical quantity "mass" is measured as a multiple or a fraction of the unit known as the "kilogram". As for every measurement process, weighing must meet three prerequisites: the unit of measure must be defined by appropriate agreement, a measuring procedure developed, and a measuring instrument has to be available.



Reference Mass Standard

NML-BSTI Mass Lab has capabilities conventional mass measurements in air. It can offer calibration services only at laboratory. It has mass standards ranging from 1 mg to 10 kg E1 class which also acts as the mass reference standards for mass lab. It also has several mass comparators.



Mass Comparator

Calibration of conventional mass (E2 Class) capabilities are accredited by Bangladesh Accreditation Board (BAB). NML-BSTI Mass Lab is now maintaining Traceability to Mass SI unit through National Metrology Laboratory of India (NPLI)/ National Institute of Metrology, Thailand (NIMT).

Balance (Weighing Scale) Laboratory:

A weighing scale, also known as a weight scale or simply a scale is a device use to measure the weight or mass of an object or substances. Weighing scales are widely used in commerce, as many products are sold and packaged by mass. Scales can be calibrated to read in units of mass such as kilograms or in units of force such as newtons.



Class E2

NML-BSTI Weighing Balance Lab has capabilities across Ordinary, Medium, Precision and Analytical Balance. It can offer onsite calibration services. It has three classes of working standards (Class E2, F1 and F2).



Class F1

To further strengthening the lab, a new standard (class E1) is also in plan for procurement.



Class E1

This Lab is accredited by Bangladesh Accreditation Board (BAB). The Lab is now

NML-BSTI Mass lab provides calibration services for Weights E2 Class to M Class.

maintaining Traceability to mass SI unit through Mass Measurement Laboratory, NML-BSTI.

b) Length & Dimension Measurement Laboratory

Length measurement has been an indispensable part of human life since ancient era till present days. The Length and Dimension measurement laboratory is maintaining K-Grade set of Gauge block as national standard for length. National standards of Length and Dimension measurement laboratory are traceable to NPL (National Physical Laboratory of India). In the subdivision, the dimensional metrology traceability chain is maintained at national level through various state-of-the-art facilities such as Universal Length Measuring Machine, Dial Gauge Calibrator, Gauge Block Comparator, Measuring Tape Calibrator, Caliper Checker and Gauge Block etc. providing apex level calibration services in dimensional metrology. We cater leading automobile industries, manufacturing industries, academic institution, defense sectors, various Govt. laboratories, calibration industries contributing significantly towards socio-economic growth of the nation. We continuously pilot and participate in different international intercomparison in order to establish our equivalence in international system of measurements. Length & Dimension Measurement Laboratory capabilities are accredited by Bangladesh Accreditation Board (BAB).

NML-BSTI Balance lab provides calibration services up to 500 kg including Analytical Balances and any other Electronic Balances.

NML-BSTI Temperature Lab has capabilities across Liquid in Glass Thermometer (Glass Thermometer) and Direct Reading Thermometer's (Digital Thermometer) temperature measurements. It can offer calibration services both onsite and at laboratories making this a versatile lab. It has a Primary Standard Triple Point of Water. It also has several Standard Platinum Resistance Thermometer (SPRT) ranging from -200°C to 660°C which also acts as the reference standards for this lab and also has several Platinum Resistance Thermometer.

Liquid in Glass Thermometer (Glass Thermometer) and Direct Reading Thermometer (Digital Thermometer) are accredited by Bangladesh Accreditation Board (BAB). NML-BSTI Temperature Lab is now maintaining Traceability to Temperature SI unit through National Institute of Metrology, Thailand (NIMT).

NML-BSTI Temperature lab provides calibration services for Glass Thermometers, Digital thermometers, Temperature Gauges, PRTs, Liquid Baths and Analogue Hygrometers etc.

d) Volume, Viscosity and Density Measurement Laboratory:

Volume is the measure of the 3-dimensional space occupied by matter, or enclosed by a surface, measured in cubic units. On other way, the space that a substance (solid, liquid and gas) or shape occupies or contains is called volume.

i.e. Volume = Length x width x height

Another form: i.e. Volume = Mass/Density

Therefore, Volume of a solid is determined either by dimensional measurements or by hydrostatic weighing. It is a derived unit. The unit of volume shall be the millilitre (ml), which is equivalent to one cubic centimetre (cm³). From Volume, Viscosity and Density Measurement Laboratory of NML-BSTI services are provided to calibrate Volumetric flask, Conical flask, Measuring cylinder, Beaker, Pipette, Micropipette, Burette and Pycnometer. This lab is accredited from year 2013. In this lab different balances are used as standards:

Description	Manufacturer	Range	Readability
Electronic balance	Sartorius	400 g	0.0001 g
Electronic balance	Sartorius	5 Kg	0.001 g
Electronic balance	Sartorius	600 g	0.01 mg
Electronic balance	Sartorius	220 g	0.01 mg

Volume measurement is an important step in most industrial and analytical measurement operations. Volume instruments are used in many fields like chemistry, health, biology and pharmacy. The major stakeholders for this lab are:

1. BSTI Metrology Wing (Legal Metrology part) & BSTI Chemical Testing Wing
2. Different Calibration Labs
3. Testing Labs



Dial Gauge Calibrator Gauge Block

Calibration Facilities:

Gauge blocks 0.5 mm to 100 mm, Ring Gauges, Plug gauges, setting gauges or Setting rods, Dial gauges, Inside micrometers, External micrometers, Depth gauges, Feeler gauges, Slide calipers/Vernier calipers, Steel/Fiber tape, Steel scale, Reference Standard Meter Bar, Length Bar etc.

Future Plan:

For strengthening the lab, several new standard equipment such as liner displacement measuring laser interferometer, coordinate measuring machine, roundness measuring machine, flatness measuring machine and gauge block Primary Standard is in-line for procurement.

c) Temperature Measurement Laboratory

The degree or intensity of heat present in a substance or object, especially as expressed according to a

comparative scale and shown by a thermometer or perceived by touch is termed as Temperature. Kelvin is the SI unit of Temperature. Other commonly used Temperature units are $^{\circ}\text{C}$ and $^{\circ}\text{F}$.

4. Pharmaceuticals
5. Fisheries Department
6. Color Industries
7. Etc.

Temperature Conversion Formula Table:

Unit	To Celsius	To Fahrenheit	To Kelvin
Celsius(c)	C(0)	$C(9/5)+32$	$C+273.15$
Fahrenheit (F)	$(F-32)\times 5/9$	F	$(F-32)\times 5/9+273.15$
Kelvin (K)	$K-273.15$	$(K-273.15)\times 9/5+32$	K

e) Electrical, Time & Frequency Measurement Laboratory:

Electrical Measurement Laboratory:

The field of Electrical Metrology is crucial for various applications in industry, research, commerce and everyday life. The Electrical Measurement Laboratory is an important and sophisticated laboratory of NML-BSTI. This laboratory has major responsibilities in providing calibration services for standards and equipment related to electrical properties. Electrical metrology deals with a wide range of electrical quantities including phenomena such as: Voltage (AC/DC), Current (AC/DC), Resistance, Capacitance, Electrical Power etc. are the main measuring entities of Electrical Metrology Laboratory.

Electrical Parameter	Symbol	Unit
Voltage	V	Volt (V)
Current	I	Ampere (A)
Resistance	R	Ohm (Ω)
Capacitance	C	Farad (F)
Inductance	L	Henry (H)
Frequency	f	Hertz (Hz)
Electrical Power	P	Watt (W)
Electrical Energy	E	Joule or watt second

This laboratory relies on the International System of Units (SI) to ensure consistency and uniformity in measurements worldwide. The calibration services cover these measuring instruments:

- Voltmeter
- Ammeter
- Digital Multimeter (up to $7^{1/2}$ digit)
- Process Calibrator
- Electrical Power Source
- Watt Meter
- Current Clamps and Clamp Meter
- Data Acquisition System
- Capacitor Decode Box etc.

Electrical Measurement Laboratory has Multi Product Calibrator, $8^{1/2}$ Digit Multimeter, Coil/50 Turns, Reference Divider, Standard Resistor (10 k Ω , 1 Ω) etc.

Accurate electrical measurements are essential for wide range of application, including:

- Ensuring safety in electrical systems and equipment.
- Manufacturing and quality control process.
- Power generation, transmission and distribution of electricity.
- Telecommunication and data network.
- Research and development in electrical engineering and science.
- International trade and standardization.

Time & Frequency Laboratory:

The SI unit of time is second (s).

In the past, time was determined based on the Earth's rotation on its axis, and it was defined that the Earth completes one full rotation on its axis every 86,400 parts, with one part being equal to one second. However, scientists of the 20th and 21st centuries discovered that the Earth's rotation on its axis is not constant, leading to variations in its rotational speed. As a result, since 1967, the following definition of a second has been used:

"The second is the duration of 9 192 631 770 periods of the radiation corresponding to the transition between the two hyperfine levels of the ground state of the caesium 133 atom."

This new definition is based on atomic vibrations, providing a more accurate and stable measure of time compared to the Earth's rotational period, which can be affected by various factors like tidal forces and other geophysical phenomena.

The National Metrology Laboratory, Bangladesh (NML-BSTI) is currently responsible for maintaining and observing Bangladesh Standard Time (BST). Geographically, Bangladesh is located in the UTC+6 (Coordinated Universal Time) time zone, which means it is six hours ahead of the UTC time zone. BST is the national standard time adopted throughout the country (Web link: <http://www.time.gov.bd/>).



6) Force and Pressure Laboratory:

Pressure is an expression of force exerted on a surface per unit area. The Pascal (symbol: **Pa**) is the SI derived unit of pressure, equivalent to one newton per meter squared (N/m^2 or $\text{N} \cdot \text{m}^{-2}$). Other commonly used pressure units for stating the pressure level are psi (pounds per square inch), torr and bar. Use of pressure units have regional and applicational preference.

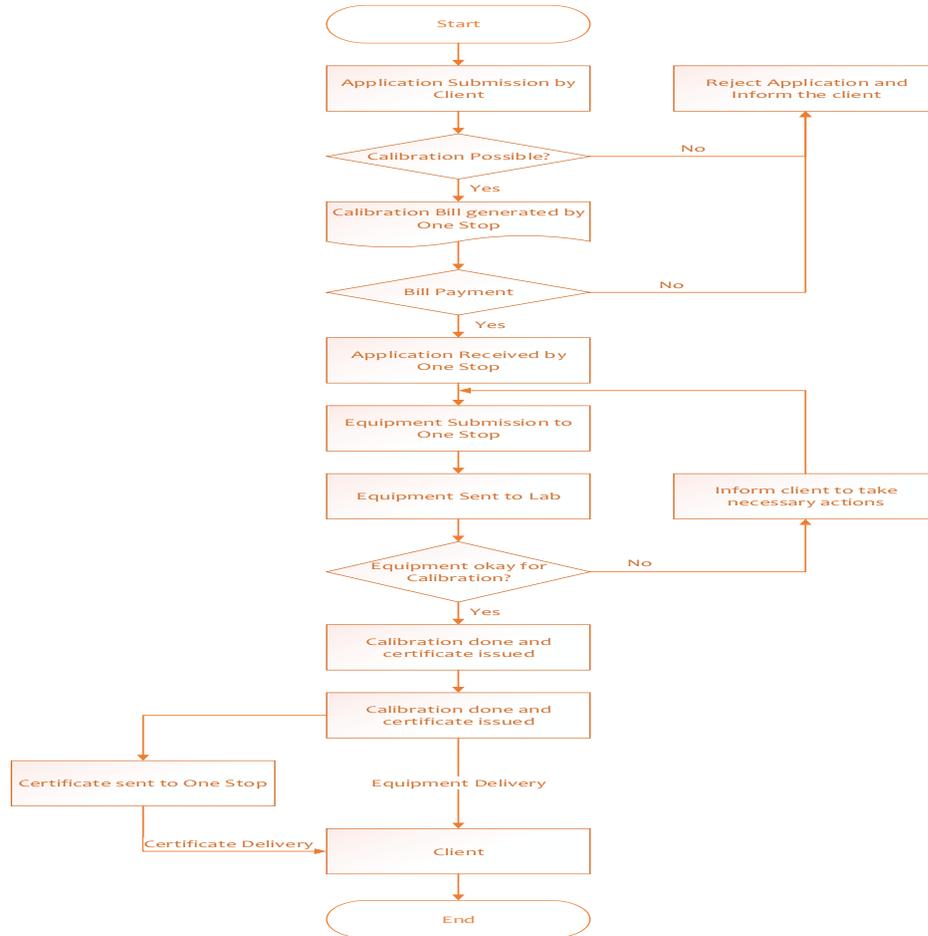
Unit conversion	Pa	bar	psi	torr	atm
1 Pa =	1	1×10^{-5}	1.45038×10^{-4}	7.50062×10^{-3}	9.86923×10^{-6}
1 bar =	100,000	1	14.5038	750.062	0.986923
1 psi =	6,894.76	6.89476×10^{-2}	1	51.7149	6.80460×10^{-2}
1 torr =	133.322	1.33322×10^{-3}	1.933768×10^{-2}	1	1.31579×10^{-3}
1 atm (standard) =	1013.25	1.01325	14.6959	760.000	1

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Lab has capabilities across hydraulic, pneumatic and vacuum pressure measurements. It can offer calibration services both onsite and at laboratories making this a versatile lab. It has hydraulic pressure balances ranging from 1 to 1200 bar which also acts as the hydraulic reference standards for pressure lab. It also has several pressure comparators and reference pressure gauges.

To further strengthening the lab, several new standard equipment such as Barometer Calibrator, Non-invasive blood pressure simulator, low pressure calibrator, onsite pressure calibrator has been procured. Several new standard equipment is also in-line for procurement. Hydraulic and pneumatic gauge pressure capabilities are accredited by Bangladesh Accreditation Board (BAB). NML-BSTI Pressure Lab is now maintaining Traceability to Pressure SI unit through National Institute of Metrology, Thailand (NIMT). NML-BSTI Pressure lab provides calibration services for digital and analogue pressure gauges, barometers, digital and analogue blood pressure measuring devices, vacuum gauges, differential pressure gauges, etc.

Process Flow Chart of NML-BSTI Calibration Service



2. Legal metrology

Legal Metrology is another part of BSTI Metrology Wing. Its main responsibilities are providing verification and calibration services for weights and measures used in transaction of trade and commerce. These activities are carried out under the laws of Weights and Measures Law, 2018 and The Standards of Weights and Measures Rules 1982 and Packaged Commodities Rules, 2021. To maintain the accuracy of weighing and measuring instruments used in trade and commerce BSTI Metrology Wing Conduct regular mobile courts and special surveillance operations for customer rights.

Activities of Legal Metrology

- i) Maintenance of standards of weights and measures with international traceability.
- ii) Verification and calibration of weights and measures and measuring instruments used in commercial transactions.

- iii) Implementation of Packaged Commodities rules to all packaged products throughout the country.
- iv) Issuance of registration certificate to importer or exporter for metric weighing and measuring instruments.
- v) Issuance of registration certificate for LPG, LNG bottling, Terminal, Plant, Petrol Pump, CNG filling or LPG filling stations and plant related activities.
- vi) Issuance of registration certificate of manufacturer, repair and supplier of metric weighing and measuring instruments.
- vii) Implementation of Metric System (SI-International System of Units) Weights and measures throughout the country.
- viii) To conduct regular mobile courts and special surveillance operations for maintaining the accuracy of weighing and measuring instruments used in trade and commerce. This will ensure the safety and interest of the consumers.

Achievement of Legal Metrology Activities, 2023-2024:

Sl.	Achievement
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1	Mobile courts	
	Number of mobile courts conducted (nos)	912
	Cases in mobile courts (nos)	1343
	Penalty (Lakh Taka)	345.51
2	Squad/Surveillance Team	
	Squad/special teams of BSTI operated in markets & Industry (nos)	1050
	Cases in courts (nos)	36
3	Surveillance in petrol pumps (nos)	515
	Cases in courts (nos)	6
4	Registration license of Package Commodities for using “b” logo (mark)(nos)	4562
5	Verification of Weights and Measuring instruments used in different market and trades(nos)	260030
6	Training on Metrology(nos)	3

Membership of Regional and International Metrology Organization:

- International Bureau of Weights and Measures (BIPM).
- International Organization of Legal Metrology (OIML).
- Member of the Asia Pacific Metrology Program (APMP).
- The Standards and Metrology Institute for Islamic Countries (SMIIC)

5. Certification Marks (CM) Wing:

The Certification Marks Wing is responsible to ensure the quality of products as per Bangladesh Standards (BDS). For this purpose CM wing issuing CM (Certification Marks) License for food and nonfood products, Import Clearance Certificate of Imported products and Halal Certificate under BSTI Act, 2018 Import Policy Order and BSTI Regulation, 2022 of the Government. As the part of those activities BSTI conducts factory inspection, Collection the sample of products. Its functions also include renewal, suspension and cancellation of the issued license and certificates in case of violation of condition of license.

Accordingly as the post certification activities CM wing operates different types of monitoring activities like as Factory Surveillance, Market surveillance, Mobile Court etc.

5.1 Procedure of Certification Marks License

a. Application process:

Any producer/packer/contract manufacturer intending to use of Standard Mark of BSTI in relation to any product or article produced or packed by them in their premises, shall apply for Mandatory (239) or Voluntary individual products to the Institution through online/manually for the CM License in the prescribed form including required documents with application fee. Form is available on www.bsti.gov.bd

b. Application Review and Inspection:

After receiving the application, the responsible

c. Collection of sample:

As per BDS if everything is satisfied by the Field Officer (CM) with the information and evidence, he collects two sets of samples on random basis which are jointly signed and sealed by the Field Officer and the producer/representative of the factory. Both the samples are kept in the custody of the applicant who is advised to submit one set of the sample with testing fee to the BSTI One Stop Service Center. The other is kept with them as a reference sample.

d. Approval of License:

After the completion of the above mentioned formalities if the test parameters are found in conformity with the relevant BDS and inspection report is satisfactory, approval of issuing license is taken in favour of that product/article. A license is approved for a period of three years, which is renewable.

e. Bill Issuing:

Upon approval of license, a licensee has to pay fees in favor of BSTI, which is known as license fee. Mentionable, the breakup of the CM fees are as follows:

- Application fee
- Testing fee
- License fee
- 15% VAT applicable on total fee.

f. Issue of License:

In case of Voluntary and Accredited products, application along with factory inspection, test report, physical sample of products are placed at the Products Certification Committee. If Products Certification Committee recommends, license is issued for the products for three years. In general cases, license is issued subject to fulfillment of the above requirements. License is renewed for three years subject to fulfillment of above mention procedures.

Field Officer (CM) reviews the application and conducts the factory inspection taking approval from the authority. As per the relevant product standard, during inspection factory, Field Officer verifies and reports on the following information in prescribe form:

- a. General information;
- b. Environment of Production premises (Layout, Design, Hygiene, Safety etc.)
- c. About raw materials;
- d. Manufacturing process;
- e. Packing and marking;
- f. Internal Monitoring, inspection and reporting procedure;
- g. Laboratories with testing facilities available as per Bangladesh Standard;
- h. Sampling methods;
- i. Storage facilities of raw materials and finish products.
- j. Competency and Training of the personnel engaged in production & QC(Quality Control);
- k. About GMP & GHP.
- l. Safety (in applicable products)

g. Cancellation of License:

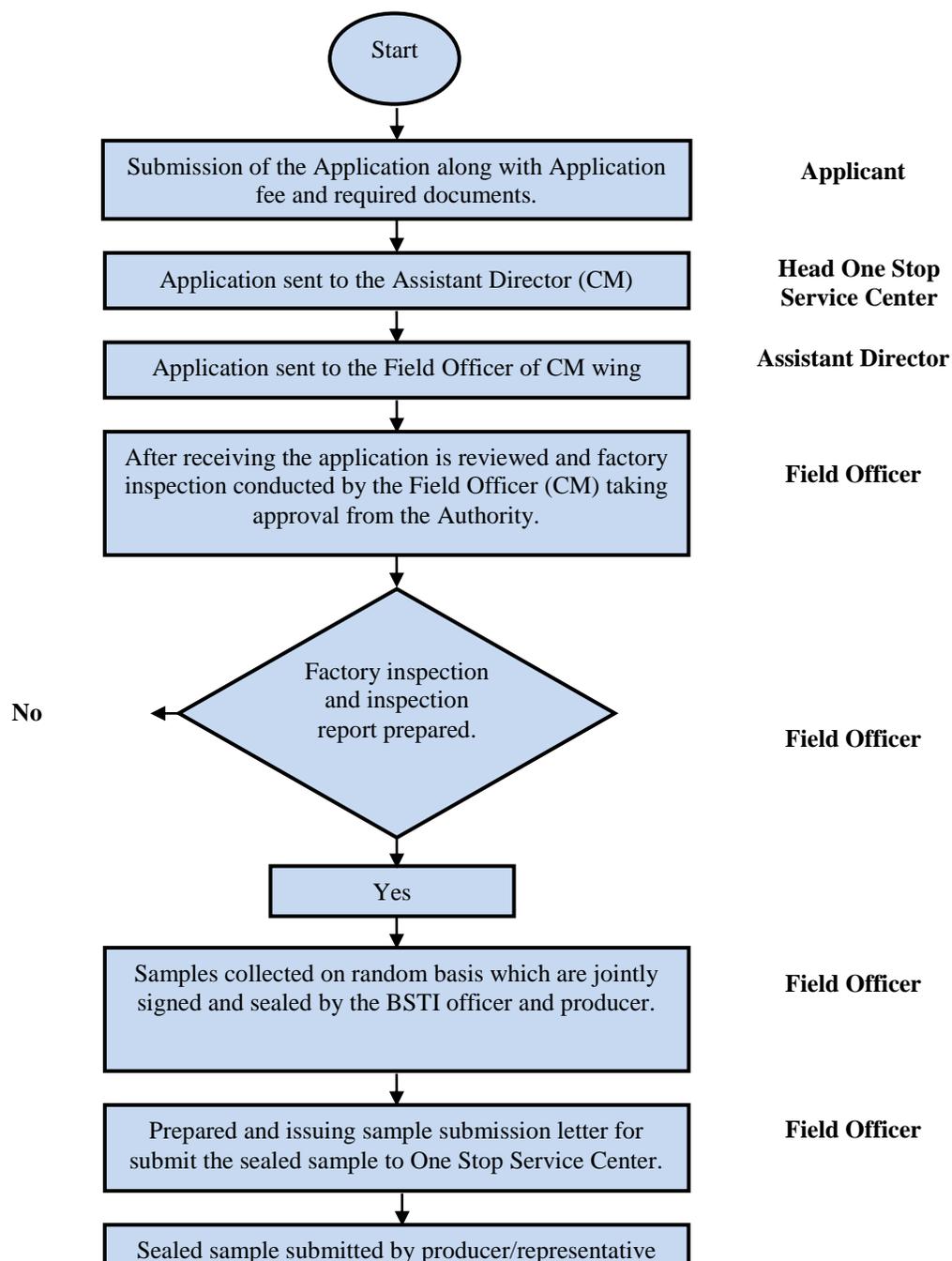
A license can be cancelled, suspended at any time if it is found that the licensee has violated any of the conditions specified in the license or any provision of BSTI Act. A suspended license can be revoked if the producer upgrades the products quality and complies others requirements.

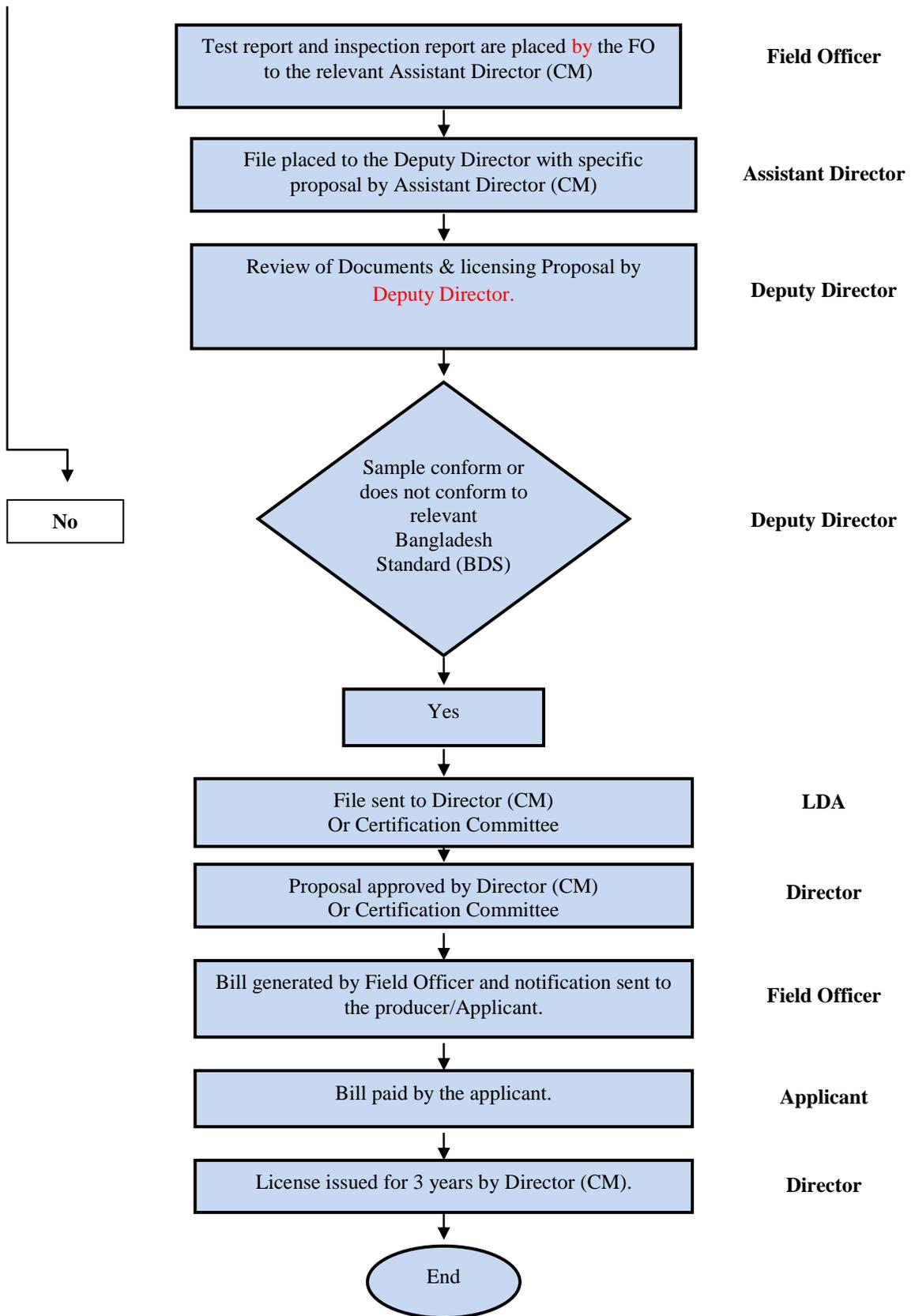
h. Testing of sample:

The producer or his representative submits the sealed samples to One Stop Service Center of BSTI office or any BSTI authorized laboratory. The producer has to pay applicable testing fee.

The Field Officer submits the inspection report with evidence collected from the factory during inspection.

Process Flow chart of approval of CM license





5.2 Procedure of Import Clearance for Imported products

BSTI CM Wing issues the Import clearance for 79 products (Food and Nonfood) which are mandate by the Import Policy Order 2021-2024. After arrival of the imported products on Bangladesh customs port, the Importer has to take the BSTI clearance for the said products prior to Custom clearance.

a. Application process

In order to take the Import clearance Importer has to apply in the prescribed application form with the updated Trade license, Income Tax Certificate, IRC, L/C Copy, Invoice copy, Bill of Entry, Bill of Lading, Airway Bill, Country of Origin, Radioactivity Certificate, Health certificate (for Food) of the relevant consignment.

b. Sample collection

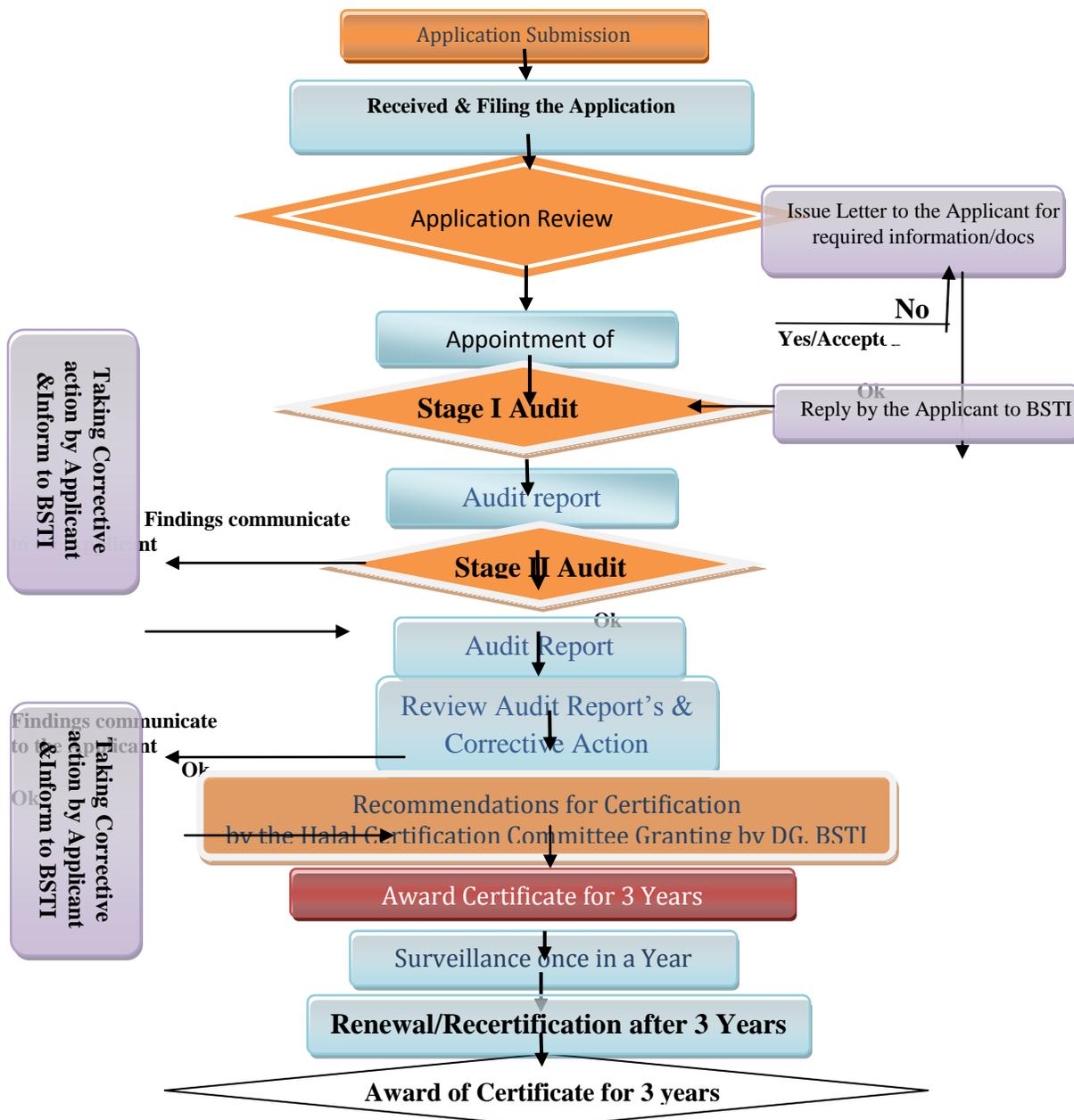
After receiving the application responsible Field Officer (CM) reviews the submitted documents and visits the custom port. Verifying all examination report he takes the sample with presence of custom officer which are jointly signed and sealed by the Field Officer, Custom Officer and the Importer/representative of the importer. Both the samples are kept in the custody of the applicant who is advised to submit one set of the sample to the BSTI One Stop Service Center. The other is kept with them as a reference sample.

c. Testing of sample: The importer or his representative submits the sealed samples to One Stop Service Center of BSTI office or any BSTI authorized laboratory. The importer has to pay applicable testing fee.

5.3 Procedure of Halal Certification

BSTI has got the mandate to issue Halal Certificate by the SRO No 297/2021, Dated 08 September, 2021 of the Ministry of Industries in order to expedite exports of the country. The flow chart of Halal Certification process is as follows:

Process flow chart of Halal Certification



5.4 Accreditation of Product Certification Scheme (PCS)

BSTI CM Wing operates the Product Certification Scheme with following type 5 of International Standard ISO/IEC 17065:2012 for some specific products. In 2012 BSTI achieved the Initial Accreditation with following the International standard from NABCB, India (National Accreditation Board for Certification Bodies, India) for 14 food and non food products. The NABCB

Accreditation is continued upto 2018. At present BSTI Product Certification Accreditation is under process in Local Accreditation Body Bangladesh Accreditation Board (BAB), under the Ministry of Industries.

Evaluation Plan of Product Certification Accreditation Scheme(Based on ISO/IEC17065:2012)

Certification Schedule	Category		Sub Category		Scope (Products /Process)	Evaluation Criteria	
						Technical Standards	Others Applicable Document
Type-5 Based on ISO/IEC 17067:201 3	A	Food Manufacturing	A-I	Processing of Perishable Animal Products	1. Flavored Milk 2. Low Fat Milk	1. BDS 1471:2012 2. BDS 1866:2013	STI for each product (Based on Standard)
			A-II	Processing of Perishable Plant Products	1. Fruit Drinks 2. Chutney	1. BDS 1581:2015 2. BDS 521:2011 (Amendmnt-1, 2018)	
			A-III	Processing of Ambient Stable Products	1. Wafer Biscuits	1. BDS 1001:2010	

5.5 CM licensing on digital platform (e-Application System)

To build the SMART Bangladesh, BSTI developed digital system for its all kind of services. Accordingly to reduce TCv (Time, Cost, and Visit) under the SPS commitment of the Government, BSTI CM licensing system is now on the digital platform. Now the client can apply through online e-Application system software. By using the software, clients apply from their home and get the update notification about the status of the application. Requisite bill for different service step can be paid through online banking. After payment of all bill and fee's he can receive the Digital License, Import Clearance and Halal Certificate (with QR Code) from their home. Meanwhile, The digital license is generated with QR Code.

5.6 Consumer Protection (Surveillance, Mobile Court, Judicial case)

In order to ensure consumer rights and also to ensure BDS for the relevant products, BSTI conducts Surveillance and Mobile Court as the part of monitoring activities of post licensing period with taking the following measures regularly:

5.6.1 Surveillance

- Surprise inspections of the licensee's factory and open market are carried out periodically by the surveillance team of the BSTI. BSTI team collects random samples from factory and open market and tested in BSTI Laboratory.
- If the test reports of the collected samples don't comply with the relevant BDS, the show cause notice is issued to the producer as per the procedure and BSTI Act. If the producer fails to reply to show cause notice or the reply of the notice is found not satisfactory, the license is cancelled and necessary actions are taken.
- BSTI surveillance team visits the new manufacturer plant which are not taken the CM license and aware to take the CM License by providing the notice.
- Regarding any kind of complaints against licensed products or services are taken by BSTI mail/hotline/complain box, BSTI surveillance team goes to relevant factory/market to verify the issues and take the necessary action as per the Act, Regulation and procedure.

5.6.2 Legal Action (Mobile Court, Judiciary case)

- In 2023-2024, the statistics of some surveillance are below-

- (a) Misuse of the Standard Mark by the unscrupulous manufacturer or dealer is punishable under the provisions of the Bangladesh Standards and Testing Institution Act, 2018, which provides penalty and imprisonment to the offending person. In order to prevent the offense and to control the product standard BSTI operating the Mobile Court throughout the country in daily with BSTI Magistrates as per the monthly schedule.
- (b) Apart from that CM Wing officer keeping a great role with taking the part in the Mobile court of any other legal dept. of the Government (i.e. RAB, Metro politon, DC office etc.
- (c) Sometimes BSTI files the Judiciary case against the illegal and counterfeit manufacturers who doesn't response after noticing repeatedly to take the CM license and seal the factory as per the BSTI Act.
- (d) Any complaints against licensed products or services are taken by BSTI mail/hotline/complain box, CM wing officers take the legal necessary action immediately.

5.7 Special Activities:

- (a) During the month of Ramadan, BSTI undertakes special activities to ensure the supply of quality products among the consumers. In the year of 2023-2024 during the month of Ramadan 616 samples were collected from the open market and tested in the BSTI lab, out of 616 samples, 46 samples were found substandard. As per BSTI Act, show cause notice issued, to the defaulters and prohibited sales & distribution of the said products.

Periodically BSTI operates the special monitoring activities of Fortified Edible Oil, Iodized Salt, and Carbonated Beverages, Packaged Drinking Water, along with other sensitive goods. Special teams formed by the BSTI officials, collected random samples for the described goods and others when necessary. Some of the samples were not found conformance with the relevant Bangladesh Standards (BDS) and due actions was taken against them.

5.9 Statistics of CM Wing Activities.

5.9.1 Activities of CM (Certification Marks) Wing

Sl.	Activities	2022-2023	2023-2024
1	New license issued	3425	3964
2	License renewed	4109	4082
3	Refused application for license	553	449
4	No. of mobile courts and surveillance teams operated	2506	2490
5	Cases instituted in mobile Courts and surveillance teams	1405	1107
6	Cases disposed in mobile mobile Courts and surveillance teams	1341	932

Name of goods	Collected Sample	Pass as per BDS	Fail	Action
Fortified Edible Oil	883	874	09	Show cause
Carbonated Beverages	141	141	-	-
Iodized Salt	518	513	05	Show cause

5.8 Consumer Awareness Building Activities

- a. **QR Code generate**-To ensures consumer awareness about product CM license, Halal Certificate and Imported Goods, BSTI started to generate the QR code for the license as well as the product brand/variants. By scanning the QR Code, consumer can ensure that the product has the valid BSTI license of that product. In such way he/she can avoid the counterfeit and substandard product.
- b. **Hotline, OSS center** -CM Wing officials serving in the hotline and One stop service (OSS) center providing all kind of guidance or suggestion in respect of public or Customers queries.
- c. **Media publication:** Any type of BSTI publishes warning notices to the print media in order to ensure awareness among the stakeholders about production of counterfeit, substandard, unauthorized product, misuse of BSTI logo etc. Sometimes, a short Television Commercial (TVC) is prepared by BSTI for awareness building of the above mentioned purposes and telecasted in government and private electronic media. All reports including warning notices are uploaded in BSTI website as well face book page also.
- d. **Public Hearing:** BSTI arranges public hearing regularly to share views about its services and activities and seeks suggestion from the stakeholder such as business bodies, manufacturing companies, importers and consumer association etc. BSTI takes necessary action based on the recommendation.

7	Fine/Punishment (Mobile Court) (in lac)	627.3721	423.02
8	Number of factories sealed for non-compliance	45	27
9	Penalty (Imprisonment) (person)	17	10

5.9.2 Halal Certification Activities

With the approval of the Halal Certification Committee, BSTI has awarded Halal Certificates to the following different industries for their products. Total 53 (Fifty Three) Halal Certificates have been awarded to different industries. Many applications for Halal Certificates are under process for approval.

Sl. No.	Name and Address of the Organization	Name of the product (S)	Brand (s)
1.	Akij Bakers Ltd, Shilmun, Tongi, Gazipur.	Wafer Biscuits	Hi5, Yum
2.	Do	Cake	Funtastick, Fast, Yum
3.	Do	White Bread	Akij Banglar bun, Fast,
4.	Do	Cookies	Bakemans, Funtastick,
5.	Do	Biscuits	Bakemans, Funtastick, Fast, Yum
6.	Newzealand Dairy Products, Bangladesh Limited, Volta, Rupgonj, Narayangonj.	Butter Oil	RED COW
7.	Salvo Chemical Industry Limited, South Dhonua, Sreepur, Gazipur.	Liquid Glucose,	SALVO
8.	Do	Starch	
9.	Newzealand Dairy Products Bangladesh Limited, Volta, Rupgonj, Narayangonj.	Chips	Detos, Yokozona, Poppers, Spicy Potato Crackers
10.		Instant Noodles	Doodles
11.		Noodles	Doodles
12.		Wafer Biscuit	Toi Moi Barz, Toi Moi Rock n Roll,
13.		Biscuit	Bellame
14.	Newzealand Dairy Products Bangladesh Limited, Volta, Rupgonj, Narayangonj	Milk powder	Diploma, FARMLAND, RED COW, HAPPY COW, Shape-up,CALCI-Pro.
15.	Nestlé Bangladesh Plc, Gazipur	Infant formula	Lactogen, Nan
16.	Bangladesh Edible Oil Limited, Uttar Rupshi, Rupganj, Narayangonj	Soy Fatty Acid Distillate	-
17.		Acid Oil	-
18.		Fortified Palm Olein	Veola, Meizan
19.		Fortified Soybean Oil	Rupchanda

20.	Nestlé Bangladesh PLC, Sreepur, Gazipur	Growing up milk powder	Nestle Nido
21.		Soup	Maggi
22.		Instant noodles	Maggi
23.		Coffee Chicory Powder	Sunrise
24.		Soluble coffee powder	Nescafe
25.		Coffee mix	Nescafe
26.		Full cream milk powder	Nestle Nido
27.		Cereal Based Fortifier	Nestle Cerelac
28.		Junior Cereal with Milk	Nestle Ceregrow
29.		Processed cereal based food for infants and young children	Nestle Cerelac
30.		Follow up formula	Lactogen, Nan
31.		Coffee creamer	Nestle Coffeemate
32.		Seasoning mix	Maggi
33.		Tea mix	Nestea
34.	Olympic Industries Ltd, Kutubpur, Sonargaon, Narayanganj	Biscuit	Olympic
35.	Olympic Industries Ltd, Unit-2, Lolati, Sonargaon, Narayanganj	Cake	Olympic
36.	Cocola Food Products Ltd., 942, Mouchak, Kaliakair, Gazipur.	Marshmallow	Cocola
37.	Bangladesh Edible Oil Limited, Uttar Rupshi, Rupganj, Narayanganj (Marketed by) Manufacturer-Shunshing Edible Oil Limited, Mongla I/A, Bagerhat.	Fortified Soybean Oil	Rupchanda, Veola
38.		Fortified Edible Palm Olein	Meizan, Lucky
39.	Kazi Food Industries Limited, Beron, Ashulia, Savar, Dhaka.	Biscuit	Kazi Farms
40.		Cake	Kazi Farms
41.		Jam (Strawberry)	Kazi Farms
42.		Jelly (Orange)	Kazi Farms
43.		Sauce (Tomato)	Kazi Farms
44.		Ketchup (Toamto)	Kazi Farms
45.		Dried Fish (Loitta, Prawn, Churi, Kachki, Mola, Rupchanda, Balachau, Faishya, Chapa)	Kazi Farms

46.		Frozen Food (Ruti)	Kazi Farms
47.		Frozen Food (Parata)	Kazi Farms
48.		Frozen Food (Aloo Puri)	Kazi Farms
49.		Frozen Food (Dal Puri)	Kazi Farms
50.		Frozen Food (French Fry)	Kazi Farms
51.		Frozen Food (Vegetable Singara)	Kazi Farms
52.		Frozen Food (Vegetable Samusa)	Kazi Farms
53.		Frozen Food (Vegetable Spring Roll)	Kazi Farms

Management Systems Certification (MSC) Wing

6.1 Activities:

Bangladesh Standards and Testing Institution (BSTI) operates Management Systems Certification service under the Management Systems Certification (MSC) wing through the Bangladesh Standards and Testing Institution (Management Systems Certification) Regulation-2009. BSTI provides third party accredited management systems certification against international standards to different types of industries and service organization without any discrimination to assist their business and commerce. This System certification helps to meet the requirements of export market.

At present the scope of certification are ISO 9001 (Quality Management Systems), ISO 14001 (Environmental Management Systems), ISO 22000 (Food Safety Management Systems), ISO 27001 (Information Security Management Systems), ISO 45001 (Occupational Health and Safety Management Systems), ISO 50001 (Energy Management Systems), GMP(Good Manufacturing Practice) and HACCP (Hazard Analysis and Critical Control Point). In Bangladesh there are number of private certification agencies working for issuing systems certification. But BSTI is the only Govt. certification body (CB), which has started awarding Management Systems Certification among the domestic industry and service organizations.,

Organization achieves ISO certificate at low cost from BSTI other than private and foreign certification organization. Formerly the Management Systems Certification of BSTI was accredited by the Norwegian Accreditation Authority in 2010 and continued up to 2014. After that the Bangladesh Accreditation Board (BAB) has given Accreditation on Management Systems Certification (MSC) against ISO/IEC 17021 and ISO/TS 22003 standards for 3(three) years in 2015 according to the norms of International Accreditation Forum (IAF).

Henceforth, the Accreditation Certificate is renewed by BAB in due procedure. Till today, BSTI has awarded 125 Certificates. Out of 125 Certificates, 85 are for Quality Management Systems, 11 for Environmental Management Systems, 23 for Food Safety Management Systems, 01 for Occupational Health and Safety Management Systems, 04 for Hazard Analysis and Critical Control Points and 01 for Good Manufacturing Practice . In the FY 2023-2024, MSC wing have awarded total 42 certificates to different organizations.

6.2 List of Management Systems Certified Clients (In FY 2023-2024)

Sl. No.	Name of the Organization	Geographical Location/ Address	Scope of Certification	Standards	Certificate No.
01	Chittagong Port Authority	Central Workshop, Chittagong Port Authority, Chattogram-4100, Bangladesh	Weighment Services of Chittagong Port Authority	ISO 9001	DHK-QMS-000000000005
02	Protik Ceramics Limited	Dautia, Kalampur, Dhamrai, Dhaka, Bangladesh	Manufacturing of Ceramic Tableware	ISO 9001	DHK-QMS-000000000012
03	Basic Power Engineering Ltd.	125/8 & 9, MudafaPurbapara, Borodeora, Tongi, Gazipur, Bangladesh	Manufacturing, Supply and Marketing of Substation & Electro-Mechanical Equipment	ISO 9001	DHK-QMS-000000000013
04	Fulkoli Bread & Biscuit Industries Limited	1614/1656, Idrish Building, Amir Ali Chi. Road, Asadgonj, Chattogram, Bangladesh	Manufacturing of Food Products (Cake, Biscuits and Noodles)	ISO 9001	DHK-QMS-000000000023

Sl. No.	Name of the Organization	Geographical Location/ Address	Scope of Certification	Standards	Certificate No.
05	Crystal Technology Bangladesh Limited	142, Castle Green (2nd Floor), Green Road, Dhaka, Bangladesh	Software Development & Implementation, Automation, ICT Training, Hardware Supply, Networking Infrastructure Setup and IT Consultancy.	ISO 9001	DHK-QMS-000000000026
06	N. Mohammad Plastic Industries Limited	179/A, West Shaloshahar, CDA Avenue, Chattogram, Bangladesh.	Manufacturing of Plastic Products and Melamine Rockeries'	ISO 9001	DHK-QMS-000000000032
07	Development Technical Consultants Pvt. Ltd.	JB House, Plot-62, Road-14/1, Block-G, Niketon, Gulshan-1, Dhaka, Bangladesh	Consultancy Services in Agriculture, Fisheries & Livestock, Education & Training, Social Development, Forest & Environment, Power & Energy, Information & Communication Technology, Water resource management, Health, Sanitation and Financial Management	ISO 9001	DHK-QMS-000000000037
08	Bangladesh Indenting Agents' Association	Saiham Sky View Tower 7th Floor, 195, Saheed Syed Nazrul Islam Sarani (Old #45, Bijoynagar) Dhaka-1000, Bangladesh	Serving the members of BIAA for Promotion of indenting Business.	ISO 9001	DHK-QMS-000000000041
09	Apex Metal Industries	78, North Jatrabari, Dhaka-1204, Bangladesh	Manufacturer and supplier of Sanitary Water Taps and Valve	ISO 9001	DHK-QMS-000000000049
10	Building Care Technology Ltd.	44/1, Rajabari, Genda, Savar, Dhaka-1340	Manufacturing of Building Care admixture products	ISO 9001	DHK-QMS-000000000050
11	Rani Re-Rolling Mills Ltd.	Shyampur, Kadamtali Industrial Area, Dhaka, Bangladesh	Manufacturing of steel Re-Bar "RRM 400W, RRM TMT 500W, RRM B400 CVR, RRM B400 DWR, RRM B420 DWR"	ISO 9001	DHK-QMS-000000000052
12	Anex Engineering Power Ltd.	10/2 Karatitola Lane, Saidabad Railgate, Dhaka-1100. Bangladesh	Manufacturing, Supply & Marketing of Sub-Station, BBT & Electro-Mechanical Equipment	ISO 9001	DHK-QMS-000000000053

Sl. No.	Name of the Organization	Geographical Location/ Address	Scope of Certification	Standards	Certificate No.
13	ABS Cables Ltd.	Plot-A4, Holding-1037, BSCIC Industrial Estate, Cumilla-3500, Bangladesh	Manufacturing of Optical Fibre Cables	ISO 9001	DHK-QMS-000000000058
14	ABC Construction Chemical Company Ltd.	5, Tushardhara Second main Road, Kadamtoli, Dhaka-1362, Bangladesh	Manufacturing, Marketing, Sales and Supply of Construction Chemicals	ISO 9001	DHK-QMS-000000000061
15	Life Med Polymer Technology Ltd.	Kha-100/3, Khilkhet, Dhaka, Bangladesh	Manufacturing of laminated flexible plastic tube, Sticker label, Plastic molded tray, bottle and containers for pharmaceutical and cosmetic products	ISO 9001	DHK-QMS-000000000060
16	Aristo Food Exporter Limited	166-167 Ramnagar, Murali More, Sadar, Jashore, Bangladesh	Production, Packaging and Exporting of Rice (Boiled, Non-boiled and Aromatic), Pulses, Whole Spices and Puffed Rice	ISO 9001	DHK-QMS-000000000077
17	Confix Construction Admixture Ltd.	Brahmin Kanda, Bypus Sarok, Faridpur, Bangladesh	Production and Packaging of Construction Chemicals	ISO 9001	DHK-QMS-000000000078
18	Bangladesh Plastic Goods Manufacturer & Exporter Association(BP GMEA),	87 Paltan Tower (6th Floor), Suite-603 & 604, Purana Paltan Line, Dhaka-1000, Bangladesh.	Assisting members of Bangladesh Plastic Goods Manufacturers & Exporters Association (BPGMEA) in the development of trade between national and international fields and exposure of 'made in Bangladesh' plastic products to the overseas	ISO 9001	DHK-QMS-000000000079
19	VEGAN AGRO LIMITED	Baro Mile, Bheramara, Kushtia, Bangladesh	Production and Packaging of Mango Pulp/Puree and Tomato Paste	ISO 9001	DHK-QMS-000000000080
20	Loven BioScience Beverage Ltd.	AGM Holding no: 194, Road no: 03, West Batara, Thana: Vatar, District: Dhaka	Formulation and Packaging of Ready Mixed Coffee, Ready Mixed Tea and other Beverage in powder form.	ISO 9001	DHK-QMS-000000000082

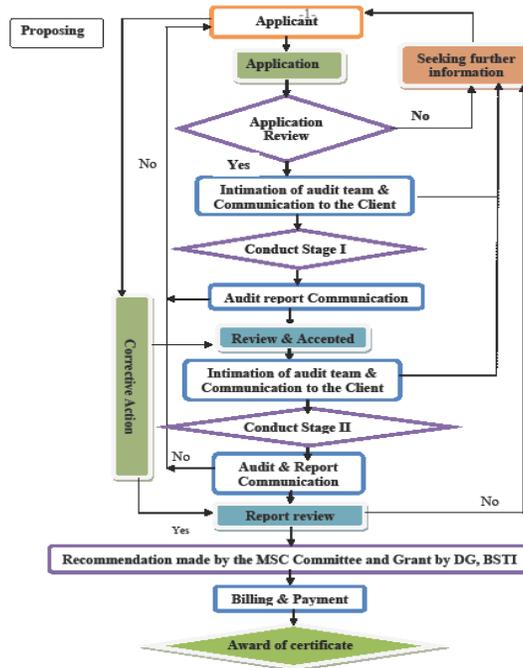
Sl. No.	Name of the Organization	Geographical Location/ Address	Scope of Certification	Standards	Certificate No.
21	Alamgir Construction Limited	Plot: 29-31, Road-1, Block-D, Sector-2, Aftabnagar, Thana: Badda, Dhaka	Civil Constraction, contruction materia supply and Electrical work.	ISO 9001	DHK-QMS-0000000000083
22	J.H.M AGORWOOD	Golipara Road, Shafaron, Sylhet.	Production, packaging and exporting of Agar oil	ISO 9001	DHK-QMS-0000000000084
23	Peoria Food Products Ltd.	Plot# 49/A-49/B, Sagorika Road, Pahartali, Chattogram, Bangladesh	Manufacturing of Biscuit, Cake and Chaachur	ISO 9001	DHK-QMS-0000000000085
24	Sena Kalyan Electronics	Holding No: SKCC 1st Floor, Plot: 9/F, Tongi, Gazipur	Manufacturing, Packaging and Marketing of LED Bulbs, Tube Light and CFL	ISO 9001	DHK-QMS-0000000000086
25	NAVED ENGINEERING WORKS	Sonapur, Bat-Tala, Kachpur, Sonargaon, Narayanganj, Bangladesh	Manufacturing of Electric Fans and Enamelled round copper winding wires	ISO 9001	DHK-QMS-0000000000087
26	Panna Battery Limited	43 West Rasulpur, Kamrangirchar, Dhaka, Bangladesh	Manufacturing, Sales and Export of Battery Products Including Recycling	ISO 14001	DHK-EMS-0000000000001
27	N. Mohammad Plastic Industries Limited	West Gomdondi, Boailkhali, Chottogram, Bangladesh.	Manufacturing of Plastic Products	ISO 14001	DHK-EMS-0000000000005
28	ABS Cables Ltd.	Plot-A4, Holding-1037, BSCIC Industrial Estate, Cumilla-3500, Bangladesh	Manufacturing of Optical Fiber Cables	ISO 14001	DHK-EMS-0000000000006
29	JMI Hospital Requisite	Vitikandi, Gazaria-1510, Munshiganj, Bangladesh	Manufacturing of Medical Devices and its Components	ISO 14001	DHK-EMS-0000000000010
30	J.H.M AGORWOOD	Golipara Road, Shafaron, Sylhet.	Production, packaging and exporting of Agar oil	ISO 14001	DHK-EMS-0000000000011
31	Vitalac Dairy and Food Industries Ltd.	BSCIC Industrial Estate, Kararchar, Narsingdi, Bangladesh	Repackaging and dispatch of Milk powder, Infant formula, Special type of Infant Formula for	ISO 22000	DHK-FSM-0000000000003

Sl. No.	Name of the Organization	Geographical Location/ Address	Scope of Certification	Standards	Certificate No.
			medical purposes, Follow up formula, Processed Cereal based Food, Therapeutic Diet and Soft Drinks Powder in different Pack Sizes in pouch, Jar & Metal CAN container		
32	Prime Pusti Limited	North Mominpur, Rangpur Sadar, Ranpur, Bangladesh	Manufacturing of Fruit Drinks, Flavoured Drinks, Carbonated Beverage, Spices, Chips & Crackers, Toast & Dry, Cake and Chanachur	ISO 22000	DHK-FSM-000000000011
33	Nourish Foods Ltd.	Jamirdia, Hobir Bari, Valuka, Mymensing, Bangladesh	Raw Material Receiving Production, Packaging, Storage and Dispatch of Fortified Rice Kernel	ISO 22000	DHK-FSM-000000000024
34	NK Foods	Kingjalla, Islampur, Jamalpur, Bangladesh	Raw Material Receiving, Production, Packeging, Storage & Dispatch of Fortified Rice Kernel and Fortified Rice	ISO 22000	DHK-FSM-000000000014
35	Care Nutrition Ltd.	Nanakhi, Sadipur, Sonargaon, Narayanganj, Bangladesh	Manufacturing of Chocolate and Non-Chocolate based Fortified Confectionery Ready to Eat Food	ISO 22000	DHK-FSM-000000000015
36	JabedAgro Food Processing Ltd.	BSCIC Industrial Area, Jamalpur -2000, Bangladesh	Raw materials receiving, production, packaging, storage and dispatch of Bread, Biscuit, Cake, and Wafer Biscuit	ISO 22000	DHK-FSM-000000000016
37	VEGAN AGRO LIMITED	Baro Mile, Bheramara, Kushtia, Bangladesh.	Production and Packaging of Mango Pulp/Puree and Tomato Paste	ISO 22000	DHK-FSM-000000000023
38	J.H.M AGORWOOD	Golipara Road, Shafaron, Sylhet.	Production, packaging and exporting of Agar oil	ISO 45001	DHK-OHS-000000000001
39	VEGAN AGRO LIMITED	Baro Mile, Bheramara, Kushtia, Bangladesh.	Production and Packaging of Mango Pulp/Puree and Tomato Paste	HACCP	DHK-HAC-000000000001

Sl. No.	Name of the Organization	Geographical Location/ Address	Scope of Certification	Standards	Certificate No.
40	Aristo Food Exporter Limited	166-167 Ramnagar, Murali More, Sadar, Jashore, Bangladesh	Production, Packaging and Exporting of Rice (Boiled, Non-boiled and Aromatic), Pulses, Whole Spices and Puffed Rice	HACCP	DHK-HAC-000000000002
41	Loven BioScience Beverage Ltd.	AGM Holding no: 194, Road no: 03, West Batara, Thana: Vatara, District: Dhaka	Formulation and Packaging of Ready Mixed Coffee, Ready Mixed Tea and other Beverage in powder form.	HACCP	DHK-HAC-000000000004
42	Loven BioScience Beverage Ltd.	AGM Holding no: 194, Road no: 03, West Batara, Thana: Vatara, District: Dhaka	Formulation and Packaging of Ready Mixed Coffee, Ready Mixed Tea and other Beverage in powder form.	GMP	DHK-GMP-000000000001

6.1 Process Flow Chart for MSC

FIG 1: PROCESS FLOW CHART FOR MANAGEMENT SYSTEMS CERTIFICATION



7. Administration Wing

Administration wing provides logistic supports to different wings of BSTI and its field offices. These include appointment, transfer, promotion, training, store management, project management, legal matters, procurement, budget preparation, maintenance of equipments, maintain records of income & expenditure and other administrative matters.

7.1 Budget

Three Year Income of BSTI		Three Year Expenditure of BSTI	
Financial Year	Income (Tk.)	Financial Year	Expenditure (Tk.)
2020-2021	116,14,24,126.00	2020-2021	193,15,75,000.00

2021-2022	137,63,80,944.00	2021-2022	118,21,05,898.00
2022-2023	173,61,86,722.00	2022-2023	124,43,35,761.00

7.2 Training and Visit:

Officials of the BSTI participated in different meetings, seminars and workshops physically and virtually at home and abroad arranged by the different organizations. List of the meetings, seminars and workshops and participants are given below:

7.2.1 Director General Office (Overseas):

SL.	Name of the Training Program	Name & Designation of the Officers	Organizer	Duration		Source of Expenditure
				From	To	
1.	Training Workshop to Customer Support Center SHIMADZU (Asia Pasific) Pte. Ltd. a Singapore	Mr. Md. Abdus Sattar Director General (Grade-1) BSTI, Dhaka	SHIMADZU	9 th August, 2023	14 August, 2023	SHIMADZU
2.	ISO/PC Sustainable non-sewered sanitation systems Meeting, France	Mr. S M Fesdous Alam Director General (Grade-1) BSTI, Dhaka	ANSI	15 th April, 2024	19 th April, 2024	ANSI
3.	Study visit in Denmark as a part of Strategic Sector Cooperation (SSC) between Bangladesh and Denmark	Mr. S M Fesdous Alam Director General (Grade-1) BSTI, Dhaka	DVFA	13 th May, 2024	17 th May, 2024	DVFA
4.	Project for Strengthening the Inspection, Regulatory and Coordinating Function of the Bangladesh Food Safety Authority	Mr. S M Fesdous Alam Director General (Grade-1) BSTI, Dhaka	JIKA-STRIC	7 th July, 2024	11 th July, 2024	JIKA-STRIC

7.2.2 Admin Wing (Overseas):

Sl.	Name & Designation of the officers	Name of the Training/Activity	Organizer	Duration		Remarks (Source of Expenditure)
				From	To	
1.	Training Workshop to Customer Support Center SHIMADZU (Asia Pasific) Pte. Ltd. a Singapore	Mr. Taher Jamil Director (Admin) BSTI, Dhaka	SHIMADZU	19 th September, 2023	20 th September, 2023	SHIMADZU

7.2.3 Standards Wing (Overseas):

Sl.	Name & Designation of the officers	Name of the Training/Activity	Organizer	Duration		Remarks (Source of Expenditure)
				From	To	
1.	Webinar on the “ISO project for the development of digital capability maturity assessment model”	Md. Saddam Hosssain khan Examiner (Jute & Textile)	ISO	10 July 2023	-	Virtual
2.	Training program on “Investigation techniques to deter potential fraud along the agri-food chain and on the e-commerce” (Bangalore, India)	1. Mr. Md. Enamul Hoque Deputy Director (Agri. & Food) 2. Mr. Muhammad Ekhlas Uddin Examiner (Agri. & Food) 3. Mr. Md. Liton Miah Examiner (Agri. & Food)	AETS Consultants	11-07-2023	14-07-2023	European Union
3.	ISO Annual Meeting 2023, Brisbane	Mr. Md. Mursaleen Mahfuz Assistant Director (Engineering)	ISO	18-9-2023	22-9-2023	Virtual
4.	12 th SMIIC/CCA Meeting	Mr. Md. Mursaleen Mahfuz Assistant Director (Engineering)	SMIIC	11-10-2023	-	Virtual
5.	The 87 th IEC General Meeting	1. Mrs. Rahima Talukder Deputy Director (E & E) 2. Mr. Mamun Khaled Assistant Director (E & E)	IEC	19-10-2023	-	Virtual
6.	The 18 th SMIIC general Assembly Meeting (Saudi Arabia)	1. Mr. Md. Abdus Sattar Director General (Grade-1), BSTI	SMIIC	01-11-2023	-	USDA

		2. Mr. Md. Mursaleen Mahfuz Assistant Director (Engineering)				
7.	The Program on “CCASIA Codex Colloquium”	Mr. Md. Enamul Hoque Deputy Director (Agri. & Food)	CFSA	15-11-2023 (China)	16-11-2023	CFSA & GFoRSS
8.	The 46 th General Assembly of Codex Alimentarius Commission (CAC 46)	Mr. Md. Enamul Hoque Deputy Director (Agri. & Food)	Codex	27-11-2023 (Rome, Italy)	02-12-2023	USDA - BTF
9.	Virtual training course on “SMIIC Directives Part 1& 2, and SMIIC Information System(IS).”	1. Mr. Md. Mainuddin Mia, Editor 2. Mr. Manjurul karim, AD 3. Mrs. Esmat Jahan, AD 4. Mr. Md. Atik Ullah, AD 5. Mr. Habibuar Rahman Khan, AD 6. Mr. Md. Saddam Hossain Khan, SE 7. Mr. Muhammad Ekhlas Uddin, SE 8. Mr. Md. Tahsin Mahmud, Ex 9. Mr. Mohammad Zakir Hossain, Ex 10. Mr. Jobayer Ahmed, Ex 11. Mrs. Neepa Sarker, Ex	SMIIC	29-01-2024	30-01-2024	Virtual
10.	ISO Gender Focal Point Network Meeting	Mrs. Jahora Sikder Deputy Director (Chemical)	ISO	29-02-2024	-	Virtual
11.	Webinar on “Empowering change: investing in women to accelerate progress in electrotechnology.”	Mrs. Rahima Talukder Deputy Director (E & E)	IEC	07-03-2024	-	Virtual
12.	Technical committee meeting on “ISO/PC 305 Sustainable non-sewered sanitation systems” Nantes, France	1. Mr. S M Ferdous Alam Director General (Grade-1), BSTI 2. Mr. Md. Mursaleen Mahfuz Deputy Director (Engineering)	ASTM	15-04-2024	19-04-2024	ANSI
13.	Foundation training on “OIC/SMIIC 18:2021 Halal Quality Management System-Requirements”	1. Mohammad Mazharul Islam Asst. Director (CM) 2. Mrs. Novera Binte Noor Asst. Director (CM) 3. Mrs. Esmat Jahan Assistant Director (Agri. & Food)	SMIIC	24-04-2024	25-04-2024	Virtual
14.	A study visit of Project steering committee (PSC) in Denmark as a part of Strategic Sector Cooperation (SSC) between Bangladesh and Denmark Copenhagen, Denmark	1. Mr. S M Ferdous Alam Director General (Grade-1), BSTI 2. Mr. Md. Enamul Hoque Deputy Director (Agri. & Food)	Danish Government	13-05-2024	17-05-2024	DVFA
15.	Danida fellowship regarding “Sustainable food system: Resource efficiency, food loss and food waste.” Copenhagen, Denmark	1. Mr. Muhammad Ekhlas Uddin Examiner (Agri. & Food) 2. Mr. Md. Liton Miah Examiner (Agri. & Food)	Danish Government	20-05-2024	07-06-2024	Danida Fellowship Centre
16.	Codex Training of Trainers (ToT)	Mr. Md. Enamul Hoque Deputy Director (Agri. & Food)	Codex	24-06-2024 Mumbai, India	28-06-2024	FAO

7.2.3 Chemical Testing Wing (Overseas):

Sl. No.s	Name & Designation of the officers	Name of the Training/Activity	Organizer	Duration		Remarks (Source of Expenditure)
				From	To	
1.	S. M. Farhad Hossain Assistant Director (Food & Bact.)	Training Programme on operation and maintenance of ICP-OES	Perkin Elemer India Pvt. Ltd., Mumbai, India.	09.07.23	15.07.23	Technoworth Associates
2.	Nazmun Naher, Assistant Director (Chemical)	Do	Do	Do	Do	Do
3.	Shifat Sharmin, Assistant Director (Chemical)	Do	Do	Do	Do	Do
4.	Mridha Saidul Islam Assistant Director	Training Programme on operation and maintenance of ICP-OES	Perkin Elemer India Pvt. Ltd., Mumbai, India.	09.07.23	15.07.23	Technoworth Associates
		Training Programme on Simadzu GC MS/MS	Customer Support Center Laboratory, SHIMADZU	26.06.24	30.06.24	SHIMADZU (Asia Pacific) Pte. Ltd. at Singapore
5.	Dos Mohammad, Assistant Director (Chemical),	Chemical analysis of narcotic drugs & Psychotropic substances and precursor chemicals	Central Revenues Control Laboratory (CRCL), New Delhi, India.	18.09.23	29.09.23	Government of India.
6.	Sheikh Ashik Ahammed Assistant Director (Food & Bact.)	Training Programme on Simadzu LC-MS/MS, AAS, GC and HPLC	Customer Support Center Laboratory, SHIMADZU (Asia Pacific) Pte. Ltd. at Singapore.	24.07.23	28.07.23	SHIMADZU (Asia Pacific) Pte. Ltd. at Singapore
7.	Dr. Shahed Reza Assistant Director (Chemical)	Do	Do	Do	Do	Do
8.	Monirul Islam Assistant Director (Chemical)	Do	Do	Do	Do	Do
9.	Md. Aby Jayed Assistant Director (Chemical)	Do	Do	Do	Do	Do
10.	Debashish Talukder Assistant Director (Chemical)	Do	Do	Do	Do	Do
11.	Khodeja Khaton, Deputy-Director (Food & Bact.)	Training Programme on Simadzu GC MS/MS	Customer Support Center Laboratory, SHIMADZU, Singapore	26.06.24	30.06.24	Medi Graphic Trading Ltd. Dhaka.
12.	Morshada Begum, Deputy-Director (Chemical)	Do	Do	Do	Do	Do
13.	Sharif Muhammad Syeduzzaman, Director (Chemical)	Do	Do	Do	Do	Do
14.	A.K.M Nayem, Examiner (Chemical)	Do	Do	Do	Do	Do

Sl. No. s	Name & Designation of the officers	Name of the Training/Activity	Organizer	Duration		Remarks (Source of Expenditure)
				From	To	
15.	Md. Mohinuddin Examiner (Chemical)	Do	Do	Do	Do	Do
16.	Md. Mahbub Rahman Sarker Assistant Director (Chemical)	Training Programme on Atomic Absorption Spectrophotomete (AAS).	Customer Support Center Laboratory, SHIMADZU , Singapore	26.06.24	30.06.24	Medi Graphic Trading Ltd. Dhaka.
17.	Md. Eliyas Hosen, Examiner (Chemical), Rajshahi.	Do	Do	Do	Do	Do
18.	Sarower Jahan Assistant Director (Chemical), Cumilla	Do	Do	Do	Do	Do

7.2.6 Certification Marks Wing (Overseas Training):

Sl.	Name & Designation of the officers	Name of the Training/Activity	Organizer	Duration		Remarks (Source of Expenditure)
				From	To	
1.	Mr. Mohammad Arafat Hossain Sarker, Assistant Director (CM)	“Investigation Techniques to Deter Potential Fraud along the Agri-Food Chain and on the e-Commerce” Held in India.	European Union	11 July	14 July	European Union
	Ms. Mst. Rebeka Sultana, Field Officer (CM)					
	Ms. Afsana Hossain Field Officer (CM)					
2.	Ms. Mst. Rebeka Sultana, Field Officer (CM)	‘ISO Regional Training on Product Certification based on the International Standards ISO/IEC 17065 and ISO/ IEC 17067’ in Indonesia.	ISO	28 November	30 November	ISO
3.	Mr. S M Abu Sayeed, Deputy Director (CM)		SMIIC			

7.3 Accreditation Status of BSTI

BSTI Laboratory Accreditation: The Accreditation of BSTI Laboratories has been granted in accordance with ISO/IEC 17025:2005 in the field of Chemical, Mechanical & Biological Testing by NABL India, on March 18, 2011 and valid date 14th June, 2017. With the approval of authority BSTI applied to the Bangladesh Accreditation Board (BAB) for getting the accreditation. Assessors of BAB assessed the laboratories of BSTI in the field of Chemical, Mechanical & Biological Testing and based on the satisfactory performance of the laboratories BAB awarded accreditation in accordance with ISO/IEC 17025:2017 to BSTI for 306 parameters of 37 products. The validity of Accreditation Certification is up to 30 December 2026.

Total Accredited products: 37 Nos.

Chemical Wing - 31 & Physical Wing- 6

7.3.1 Accredited products of Chemical Testing Wings are:

Biscuits, Chanachur, Noodles, Instant Noodles, Fruit Juice, Fruit Drinks, Jam, Jelly, Marmalade, Pickle, Sauce, Tomato ketchup, Chutney, Fruit squash, Fruit syrup. Fruit Cordial, Tomato paste, Edible jell, Artificial Flavoured Drinks, Water, Cement, M.S. Rod and Soap, Carbonated Beverages, Soft drink Powder, Soybean oil, Palm oil, Palm Olein, Rice Bran oil, Sunflower oil and Black Tea.

7.3.1.1 Accreditation status of Food & Bacteriology Division:

Food and Bacteriological Divisions acquired Accreditation as per ISO/IEC 17025:2005 by National Accreditation Board for Testing and Calibration Laboratories (NABL), India since 18 March, 2011. At present 241 parameters of 29 Food products are accredited from Bangladesh Accreditation Board (BAB) as per ISO/IEC 17025:2017.

Accredited Laboratories are:

- Cereal and bakery lab.
- Processed fruit products and fruit drinks lab.
- Water and beverages lab.
- Oils and Fats Lab.
- Microbiological lab.
- Instrumental lab. (AAS and HPLC).

7.3.1.2 Accreditation status of Chemical division

Cement, M.S Rod, Soap and Shampoo under Chemical Divisions acquired Accreditation as per ISO/IEC 17025:2005 from National Accreditation Board for Testing and Calibration Laboratories (NABL), India since 18 March, 2011. At present 21 parameters of 4 Chemical products are accredited from Bangladesh Accreditation Board (BAB) as per ISO/IEC 17025:2017.

Accredited Chemical Laboratories are:

- Soap and Detergent Lab.
- Building materials Lab.

7.3.2 Accredited Products of Physical Testing Laboratories are:

Cement, Building Materials (MS-Rod, GI Pipe, MS Angle & MS Plate), Textile & Garments and Air Conditioner.

7.3.2.1 Accreditation status of Food & Bacteriology Division:

Physical and Textile Testing Labs acquired Accreditation as per ISO/IEC 17025:2005 by National Accreditation Board for Testing and Calibration Laboratories (NABL), India since 18 March, 2011. At present 34 parameters of 06 products are accredited from Bangladesh Accreditation Board (BAB) as per ISO/IEC 17025:2017.

Achievement and on-going Development Activities:

a. Achievement:

SL.	Activities
1.	Introduction of Web based Real Time Quick Response (QR) code system for issuing BSTI license/certificate/clearance certificate/test report/package commodities registration/verification/ calibration.
2.	Development of e-application system for online application, SMS services, fee receipt, BDS sale and database of BSTI personnel.
3.	Issuance of Halal Certificates for different products.
4.	Revised and published BSTI Regulations 2022.
5.	Revised and published of Package Commodities Rules 2021.
6.	Issuance of certificate for purity of imported Gold.
7.	Vertical extension of 4 (four) BSTI Divisional and District Offices.
8.	Agreement with Sonali Bank Ltd. for online payment of BSTI fees using Sonali Payment Gateway Software.
9.	Process of recruitment for 92 officers and 29 staff has been completed.

b. On-going Development Activities

SL.	Activities
1	Introduction of Basic Training Course for BSTI officials for their capacity building.
2	Development of apps for 'b' mark checking of packaged goods registration issued by BSTI.
3	Establishment of bank booth at BSTI head office for receiving fees.
4	Establishment of Ring Main Unit (RMU) for Sub-station 1250 KW at BSTI head office.
5	Total 175 posts have been created for BSTI field offices, halal division, National Metrology Lab and other labs including BSTI lab of Prime Minister's office.
6	Proposal of upgrading the post of Directors, Deputy Directors, Asst. Directors and Senior Examiners.
7	Proposal submitted to line Ministry for creation of 138 new post to strengthening the capacity of BSTI.

8. APA Implementation

BSTI has been awarded 1st position in FY 2019-2020 for its APA implementation. Again, BSTI has achieved the 1st position in APA implementation for the FY 2021-2022 among the 12 departments, corporation and Institution of the Ministry of Industries.

9. Development Project of BSTI

Establishment and Modernization of BSTI Regional Offices at Chittagong & Khulna.
Approved Cost :Tk. 28291.00 Lac
Implementation period:
July 2015 - June 2025
Source of fund : GoB

Objectives:

- To ensure quality products to the consumer
- To Construct the total structure of the ten (10) storied building and finishing work up to 2nd floor including foundation for office cum laboratory building with 10(Ten) storied foundation at Chittagong and Khulna.
- To Procure modern laboratory equipment.

	
Newly Constructed BSTI Divisional office, Khulna	Construction work of Chattogram Project part

- Establishment of Regional Offices of BSTI in 10 Districts" to expand BSTI activities at field level
- The work of upward expansion by adding new labs to the offices of BSTI in Mymensingh, Comilla, Cox's Bazar and Faridpur is at the final stage
- The project titled "Expansion and Modernization of BSTI Physics and Chemistry Testing Laboratory" is under the consideration of the government. Under this project. a total of 68 (sixty eight) labs including 30 (thirty) labs of Chemistry Wing and 30 (thirty) labs of Chemistry Wing will be established.
- Another project proposal titled "Expansion of National Metrology Lab and Creation of Training Facility" has been submitted to the government. 21 labs of Scientific Metrology and Legal Metrology will be established under this project. Moreover, there is a proposal to create a permanent infrastructure for the training of officers and employees under this project.
- Project preparation for construction of graded multi-storied residential building for officers and employees in place of existing BSTI residential quarter under Banani, Dhaka is in progress.

10. International Activities

E-Catalog and BDS Sale software: Through e-

BSTI maintains liaison with almost all International and Regional organizations in relation to Standards, Conformity Assessment and Metrology. The Bangladesh Standards and Testing Institution is a full member of the International Standardization Organization (ISO) since 1974. BSTI participates in international standardization activities in all relevant subjects of interest for the country. In most cases participation is being done on-line through the internet. BSTI is also the full member of the International Organization of Legal Metrology (OIML), of the Asia Pacific Metrology Program (APMP) and an Associate Member of International Bureau of Weights and Measures (BIPM). BSTI is the IEC Affiliate member of IEC since 2001 and Affiliate Plus since 2012. BSTI is the member of Codex Alimentarius Commission (CAC) since 1975 and is the focal point of CAC. Recently BSTI also the Member of The Standards and Metrology Institute for Islamic Countries (SMIIC) since 2021. The Institution participates actively in the work of the SAARC standing committee on standards, metrology, testing and quality. The BSTI maintains relations with WTO, ITC, AFIT, Codex Alimentarius Commission of FAO and other international and regional organizations.

WTO-TBT; National Enquiry Point

BSTI has been designated as a National Enquiry Point for Bangladesh for the World Trade Organization (WTO) Technical Barriers to Trade (TBT) Agreement since 2002. The e-mail address of the Bangladesh WTO-TBT National Enquiry Point is: arafat_cm@bsti.gov.bd

11. Public Service Information

One Stop Service Centre:

The objective of One Stop Service Centre is to provide quick services within the stipulated time according to citizen charter, through extending BSTI's activities to the concerned producers, importers and distributors of various products/items that need to undergo testing for the issuing of a CM license. As such, BSTI has started a One Stop Service Centre as part of fulfilling its commitment for rendering better service to the people.

BSTI website:

BSTI has established a well-developed, dynamic web site at www.bsti.gov.bd including LAN for information. A Complaint Box has also been included in the BSTI Website. Bangladesh Standards are also available for online purchase through www.bstibds.com

Citizen Charter:

To provide time bound services to the clients and stakeholders, BSTI has displayed Citizen Charter its all offices throughout the country.

Hotline:

BSTI introduce a hotline number **16119** for quick response to its clients.

12. E-Services of BSTI

Website: BSTI has a dynamic website (www.bsti.gov.bd) with desired information for the people.

Bill Management software: this application (<https://bstibillingsoft.org>) has been launched on 04-04-2017 in order to digitize the bill collection system at one stop service center of BSTI head office.

Inventory Management software: A web-based inventory Management software (<https://bstiinventory.org>) has been developed to digitize the operation of the store section of BSTI Head Office.

Catalog & BDS Sale' application software (<https://bstibds.com>) BDS made by BSTI buyers can check BDS completely online without visiting BSTI and purchase BDS without any extra cost and time through e-payment.

E-Catalogue & Bangladesh Standards (BDS) Sale:

Anyone can purchase BDS and pay bills through e-payment.

Short Code Number: This application helps to inform BSTI immediately if there is any doubt about the quality of the products/complaints about the manufactured products.

Queue Management System: BSTI's One Stop Service Center uses this process for setting up a modern Queue Management System to provide orderly service to the customers.

Boost up computer network of BSTI: Internet speed has been increased from 50 mbps to 150 mbps at BSTI and also a parallel internet connection of 20 mbps has been established for the office of the Director General including OneStop Service Centre.

Wifi Zone: Now BSTI's one stop service center and entire campus including DMI has been brought under Wifi Zone.

E-mail ID with domain: In order to ensure the reliability and security of e-mail ID with domain has been created from Bangladesh Computer Council (BCC).

e-GP: An initiative has been taken to complete 50% of BSTI purchases through e-GP in FY 2021-2022.

e-nothi: Official activities are being carried out through e-nothi.

SMS: In the interest of the public, on special days of BSTI (Such as world Standards Day, World Metrology Day etc) various information about the organization's activities, slogans, news, testing facilities, public awareness information are sent to the general public through mobile phone SMS.

QR- Code based Licence: Develop and implement Real Time Quick Response (QTQR) Code with online based License Issue, Renew, Cancellation, suspension and Verification of BSTI License, Clearance Certificates, and logo against products and Test Reports of BSTI Laboratories. Following are the objectives which BSTI wants to achieve by this job.

1. License/Certificate/Test Reports information easily available at anywhere and anytime for verification by stakeholders.
2. Stop License/Certificate/Test Reports forgery.
3. Increase trust of stakeholders on BSTI.
4. Make information available to all levels concerned.
5. Increase efficiency of BSTI work process.
6. Secure information data for analysis and decision making.

e-Application management System: To ensure quality of BSTI develop and implement an e-Application Management System with web-based application submission, billing and payment receipt, SMS services, personnel information and report generating option. As a result, they need to work on different sectors to fully fulfil the purposes. The main objectives of this project are automation of all wings activities of BSTI.

Chapter-3

Right to Information (RTI)

List of Designated Officers for RTI as per Right to Information Act, 2009

Sl.	Name of Designated Officers and Offices	Address	Telephone/Mobile/E-mail
1.	Mr. Mohammad Tauhidur	Maan Bhaban	Mobile: 01332825113

	Rahman, Assistant Director (P&D)	116-A, Tejgaon I/A, Dhaka-1208	tauhidbsti@gmail.com
2.	Mr. Mithun Kobiraj Assistant Director (Met)	BSTI Divisional Office, Rajshahi Bypass Road, Nawdapara, Sapuura, Rajshahi	Mobile: 01866748284 mk07ruet@gmail.com
3.	Mr. Engr. Moriom Assistant Director (Met)	BSTI Divisional Office, Sylhet BSCIC Industrial Park, Khadimnagar, Syllhet	Mobile: 01919909048 moriom.eeruet@gmail.com
4.	Mr. Rigan Baidya Assistant Director (CM)	BSTI Divisional Office, Chattagram Jamburi Ground, Agrabad, Chattogram	Mobile: 01717119158 riganbaidya73@gmail.com
5.	Mr. Md. Billal Hossain Assistant Director (Met)	Dhaka Metrology Inspectorate (DMI) 116-A, Tejgaon I/A, Dhaka-1208	Mobile: 01752304505 billal.bsti@gmail.com
6.	Mr. Syed Mostafa Kamal Assistant Director (Phy)	BSTI Divisional Office, Khulna 62, Old Jessore road, Khalishpur, Khulna	Mobile: 01915595337 syedmostafa91@gmail.com
7.	Mr. Md. Easir Arafat Field Officer (CM)	BSTI Divisional Office, Barishal BSCIC Industrial Park, Kaunia, Barisal	Mobile: 01728606766 bsti.barisal@gmail.com
8.	Mr. Arnob Chacrabarti Field Officer (CM)	BSTI Divisional Office, Mymensingh Kismot, RahmotpurSadar, Mymensingh.	Mobile: 01776214414 arnobmzs2013@gmail.com
9.	Mr. Engr. Jahidur Rahman Assistant Director (CM)	BSTI Divisional Office, Rangpur House No-46/2, Road No-01 Porjoton Purbapara, Post- Sadar, Rangpur-5400.	Mobile: 01931802632 jahidbsti@gmail.com
10.	Mr. Md. Shahidul Islam Assistant Director (CM)	BSTI District Office, Cumilla Holding No.21/1, Ward No-23 Dhanpur Kotbari Road, Cumilla-3502.	Mobile: 01946551202 shahidulctp@gmail.com
11.	Mr. Mohammad Abu Hanif Assistant Director (Phy)	BSTI District Office, Faridpur BSCIC Industrial Area, Kanaipur Faridpur-7801.	Mobile: 01735178648 shahidulctp@gmail.com
12.	Mr. Shariful Islam Assistant Director (Phy)	BSTI District Office, Cox's Bazar Plot: 4-5, New Circuit House Road, Cox'sbazar.	Mobile: 01754257744 sharifulbsti@gmail.com
13.	Mr. Engr. Md. Hasibur Rahamn Inspector (Met)	BSTI Regional Office, Gopalganj Circuit House Road, Sonakur, Ward No-14, Sadar, Gopalganj.	Mobile: 01646857354 hasib.hridoy.ce.buet@gmail.com
14.	Mr. Mithun Das Assistant Director (Met)	BSTI Regional Office, Jessore 2660, Raja Baroda Kanta Road, Chachra Dalmil, Jessore-Benapol Sarak, Jessore	Mobile: 01795355151 dasmithun549@gmail.com
15.	Mr. Md. Zishan Ahmed Talukder Assistant Director (CM)	BSTI Regional Office, Noakhali Holding: 850/01, Dotter Dokkhin Bazar, Main Road, Sonapur, Noakhali	Mobile: 01818313298 zishanbsti@gmail.com
16.	Mr. HM Tanjil Field Officer (CM)	BSTI Regional Office, Patuakhali Talukdar Mansion, Holding No: 337 Kalikapur, Potuakhali	Mobile: 01815798376 tanjil.bsti@gmail.com
17.	Mr. Md. Kamal Hossain Deputy Director (Food & Bact)	BSTI Regional Office, Gazipur G-159 (7 th Floor), West Side of Rajdighi Joyjebpur, Gazipur	Mobile: 01717256232 bstigazipur2024@gmail.com
18.	Mr. Montosh Kumar Das Assistant Director (CM)	BSTI Regional Office, Narshingdi 235, Sultan Tower, West Brahmondi, Narshingdi	Mobile: 01717077461 montosh2011@gmail.com
19.	Mr. Md. Mesbah ul Hasan Assistant Director (CM)	BSTI Regional Office, Naogaon Muktijoddha Complex, Bus Stand, Naogaon	Mobile: 01740972636 shisom07@gmail.com
20.	Mr. Md. Nazmus Sadat Inspector (Met)	BSTI Regional Office, Kustia 63/3, Kustia-Jhinaidah Road, Chourhas More, Kustia	Mobile: 01745617911 nasim1575@yahoo.com
21.	Mr. Ziaul Haque Assistant Director (CM)	BSTI Regional Office, Dinajpur 869, Nimnagar, Fulbari Bus Stand, Dinajpur	Mobile: 01723847920 ziahaque5@gmail.com
22.	Mr. Md. Azizul Hakim Assistant Director (Met)	BSTI Regional Office, Pabna 1373, PI Road, Radhanagar, Pabna	Mobile: 01713906224 bstigazipur2024@gmail.com

Appellate Authority

BSTI is an Autonomous Body. The Director General of BSTI is the chief executive of the institution. The appellate authority of BSTI is given below:

Name of the office	Appellate Authority	Address of the Appellate Authority
<p>BSTI Head Office, Dhaka and its Divisional offices: Dhaka, Chattogram, Rajshahi, Khulna, Barisal, Sylhet, Mymensingh and Rangpur.</p> <p>District Officeces: Faridpur, Cumilla and Cox'bazar.</p> <p>Rigional Offices: Gopalganj, Jessore, Noakhali, Patuakhali, Gazipur, Narshingdi, Naogaon, Kustia, Dinajpur, Pabna.</p>	Director General, BSTI	Maan Bhaban 116-A, Tejgaon I/A Dhaka-1208

RTI Activities from July 2023- June 2024 (Comparative figure with last 2 Years)

SL.	Financial Year	Name of the Authority	Number of Application for Information	Number of Information Provided	Number of Appeals Filed	Number of Complaints Submitted	Amount of Cost Information Realized from Providing Information	Action Taken Against Designated Officer for Net Providing Information
1.	2021-2022	BSTI	04	04	Not Applicable	Not Applicable	No Cost Charge	Not applicable
2.	2022-2023	BSTI	19	19	Not Applicable	Not Applicable	No Cost Charge	Not applicable
3.	2023-2024	BSTI	14	14	Not Applicable	Not Applicable	No Cost Charge	Not applicable

Chapter-4

Mandatory Products List

List of 299 Products Brought Under Mandatory Certification Marks Wing:

A. Agricultural and Food Products (110 Items):

SI.	Name of the Products	Standard No. and year
1.	Plywood Tea – Chest	BDS 18:2006 (2 nd Rev.)
2.	Mustard Oil,	BDS 25:2015 (2 nd Rev.) Amendment-1:2020
3.	Refined Sugar	BDS 138:2006 (2 nd Rev.) Amendment-1:2008
4.	Suji (Semolina)	BDS 190:2016 (2 nd Rev.)
5.	Poultry feeds	BDS 233:2019 (3 rd Rev.)
6.	Wheat Atta	BDS 380:2007 (2 nd Rev.)
7.	Maida	BDS 381:2007 (3 rd Rev.)
8.	Bread	BDS 382:2016 (3 rd Rev.) Amendment-2, 2022
9.	Biscuits	BDS 383:2001 (2 nd Rev.)
10.	Macaroni, spaghetti and vermicelli	BDS 384:2017(2 nd Rev.)
11.	Lozenges	BDS 490:2014 (3 rd Rev.)
12.	Canned and Bottled Fruits	BDS 503:2006 (1 st Rev.)
13.	Fruit Squashes	BDS 506:2002 (2 nd Rev.)
14.	Fruit Cordial	BDS 508:2006 (2 nd Rev.)
15.	Sauce (Fruits or vegetables)	BDS 512:2017 (2 nd Rev.)
16.	Fruits and Vegetables Juices	BDS 513:2013 (3 rd Rev.)
17.	Tomato Paste	BDS 517:2015 (3 rd Rev.)
18.	Chutneys	BDS 521:2011 (2 nd Rev.) Amendment-1:2018
19.	Fermented vinegar	BDS 523:2015 (2 nd Rev.)
20.	Concentrated Fruit Juice	BDS 527:2015 (2 nd Rev.)
21.	Fruit Syrup	BDS 528:2019 (3 rd Rev.)
22.	Tomato ketchup	BDS 530:2002 (2 nd Rev.)
23.	Baking powder	BDS 657:2015 (1 st Rev.)
24.	a) Soluble coffee powder b) Roasted and ground coffee c) Roasted coffee-chicory powder	a) BDS 763:2016 (2 nd Rev.) Amendment-1:2020 b) BDS 805:2016 (1 st Rev.) c) BDS 806:2016 (1 st Rev.)
25.	Plywood for General Purposes	BDS 799:2006 (2 nd Rev.)
26.	Banaspati	BDS 804:2011 (2 nd Rev.)
27.	Milk powder	BDS 860:2020 (2 nd Rev.)
28.	Butter Oil and Ghee	BDS 908:2012 (2 nd Rev.) Amendment-1:2020
29.	Turmeric Powder	BDS 991:2020 (2 nd Rev.)
30.	Wheat Bran	BDS 997:2006 (1 st Rev.)
31.	Toffees	BDS 1000:2001 (1 st Rev.)
32.	Wafer Biscuits	BDS 1001:2010 (1 st Rev.)
33.	Chilli powder	BDS 1017:2020 (2 nd Rev.)
34.	Honey	BDS 1039:2022 (2 nd Rev.)
35.	Safety matches in boxes	BDS 1040:2006 (1 st Rev.)
36.	Bread rolls	BDS 1074:2017 (1 st Rev.) Amendment-1: 2018
37.	Ice Cream	BDS 1083:2006 (1 st Rev.)
38.	Coriander powder	BDS 1084:2015 (1 st Rev.) Amendment-1:2020
39.	Mosquito Coil	BDS 1089:2018 (3 rd Rev.)
40.	Noodles	BDS 1106:2015 (2 nd Rev.)
41.	Carbonated Beverages	BDS 1123:2022 (4 th Rev.)
42.	Malathion 57 % (W/V) (Emulsifiable Concentrates)	BDS 1179:2001 (1 st Rev.)
43.	Chhana	BDS 1180:2016 (1 st Rev.)
44.	Curry Powder	BDS 1205:2013 (2 nd Rev.) Amendment:-2020
45.	Iodized Salt	BDS 1236:2020 (2 nd Rev.)
46.	Packaged Drinking Water	BDS 1240:2021 (2 nd Rev.)
47.	Natural Mineral Water	BDS 1414:2021 (2 nd Rev.)
48.	Lassi (Yoghurt drink)	BDS 1470:2015 (1 st Rev.)
49.	Flavoured Milk	BDS 1471:2012
50.	Chewing gum, ball gum and bubble gum	BDS 1498:2012 (1 st Rev.)
51.	Mayonnaise	BDS 1503:2011 (1 st Rev.)
52.	Instant Noodles	BDS 1552:2015 (2 nd Rev.)
53.	Chips and Crackers	BDS 1556:2017 (1 st Rev.) Amendment-1:2019
54.	Chanachur	BDS 1564:2016 (1 st Rev.)
55.	Cakes	BDS 1574:2021 (3 rd Rev.)
56.	Fruit Drinks	BDS 1581:2015 (2 nd Rev.)
57.	Household Insecticide Aerosol	BDS 1585:2023 (1 st Rev.)
58.	Soft Drink Powder	BDS 1586:2007 (1 st Rev.)
59.	Lachsa Shemai	BDS 1620:2000 Amendment-1:2020
60.	Pasteurized Milk	BDS 1702:2019 (1 st Rev.)
61.	Soy sauce	BDS 1718:2002
62.	Fortified Soybean Oil	BDS 1769:2014 (1 st Rev.) Amendment-1:2021
63.	Fortified Edible Palm Oil	BDS 1770:2014 (1 st Rev.) Amendment-1:2021
64.	Fortified Edible Sunflower Oil	BDS 1773:2016 (1 st Rev.)
65.	Fortified Palm Olein	BDS 1774:2006 Amendment -2:2021

66.	Sweetened/Unsweetened Condensed Filled Milk	BDS 1780:2014 (1st Rev.)
67.	Muri (puffed rice)	BDS 1796:2008
68.	Edible Jell	BDS 1801:2015 (2nd Rev.) Amendment-1:2018
69.	Ultra High Temperature (UHT) Treated Milk	BDS 1805:2022 (1st Rev.)
70.	Cumin powder	BDS 1807:2008 Amendment-1:2020
71.	Sweetmeats	BDS 1811:2008
72.	Ice Lolly	BDS 1847:2011 Amendment-1:2021
73.	Pasteurized Low Fat Milk and Standardized Milk	BDS 1866:2022 (1st Rev.)
74.	Artificial Flavoured Drinks	BDS 1877:2014
75.	Fortified Edible Rice Bran Oil	BDS 1886:2014
76.	Synthetic Vinegar	BDS 1896:2015
77.	Fish Feed	BDS 1915:2022
78.	Sucralose, Food grade	BDS 1933:2017
79.	Potato Chips	BDS 1927:2017 Amendment-1:2021
80.	Corn Flakes	BDS 1957:2018
81.	Oats	BDS 1960:2019
82.	Malt Drink	BDS 1994:2021
83.	Malt based food	BDS 1995:2022
84.	Pastry	BDS 1996:2022
85.	Quick Frozen French Fried Potatoes	BDS 1997:2022
86.	Roti (Flat bread/Tortilla)	BDS 1998:2022
87.	Decorated Cake	BDS 2008:2022
88.	Virgin Coconut Oil	BDS 2015:2023 Amendment-1:2024
89.	Margarine	BDS CAC 32:2008
90.	Olive Oils and Olive Pomace Oils	BDS CXS 33:2023
91.	Canned Pineapple	BDS CAC 42:2007
92.	Infant Formula and Formulas for Special Medical purposes intended for Infants	BDS CAC 72:2008
93.	Processed cereal based food for Infants and Young Children	BDS CXS 74:2022
94.	Chocolate	BDS CAC 87:2008
95.	Follow-up formula	BDS CAC 156:2008 Amendment-1:2009
96.	Sugars	BDS CXS 212:2022
97.	Fermented Milks	BDS CAC 243:2015
98.	A Blend of skimmed milk and vegetable fat in powdered form	BDS CXS 251:2021
99.	Pickled Fruits and Vegetables	BDS CAC 260:2014
100.	Cream Cheeses	BDS CXS 275:2020
101.	Extra Hard Grating Cheese	BDS CXS 278:2020
102.	Cheese	BDS CXS 283:2022
103.	Whey Cheeses	BDS CXS 284:2022
104.	Whey powder	BDS CXS 289:2023
105.	Jams, Jellies and Marmalades	BDS CAC 296:2014
106.	Butter	BDS CXS 279:2023
107.	Sweetened Condensed Milk	BDS CAC A-4:2002
108.	Black Tea - Definition and Basic requirements	BDS ISO 3720:2017
109.	Instant Tea in Solid Form – Specification	BDS ISO 6079:2015
110.	Green Tea – Definition and basic Requirements	BDS ISO 11287:2012

B. Chemical Products (74 items):

SI.	Name of the Products	Standard No. and year
111.	Laundry Soaps	BDS 12:2019 (3 rd Revision)
112.	Toilet Soap	BDS 13:2021 (4 th Revision)
113.	Coal Tar Black Paint (Alquatra)	BDS 69 (Part 2):1991 Amendment 1:2006
114.	Stamp Pad Ink	BDS 90:2011 (2 nd Revision)
115.	Coconut Oil	BDS 99:2007 (2 nd Revision)
116.	Aluminium Sulphate, Non Ferric	BDS 149:2014 (2 nd Revision)
117.	Triple Super Phosphate (T.S.P)	BDS 216:1991 (1 st Revision) Amendment 1, 2:07
118.	Urea (Fertilizer)	BDS 217:2011 (2 nd Revision)
119.	Pencils	BDS 330:1993 (1 st Revision) Amendment 1:2006
120.	Sole Leather (Vegetable Tanned)	BDS 340:2012 (2 nd Revision)
121.	Internal combustion engine Crankcase oils for Automotive Application (Diesel and gasoline)	BDS 343:2022 (2 nd Revision)
122.	High Speed Diesel	BDS 344:2020 (3 rd Revision)
123.	Unleaded Motor Gasoline-Premium	BDS 346:2010 (4 th Revision) Reaffirmed 2020
124.	Unleaded Motor Gasoline-Regular	BDS 347:2019 (5 th Revision)
125.	Ready Mixed Paint, Brushing, Finishing semi-Gloss for general purpose	BDS 402:1989 (1st Revision) Amendment 1, 2:2007
126.	Writing and Printing Papers	BDS 405:2012 (2 nd Revision)
127.	Carbon Paper for type writer	BDS 411:1989 (1 st Revision) Amendment 1:2006
128.	Ceramic Tableware	BDS 485:2000 (2 nd Revision) Amendment 1, 2, 3:2006

129.	Newsprint	BDS 845:2012 (2 nd Revision)
130.	Shoe polish, Paste	BDS 1006:1981 Amendment 1:2006
131.	Tooth Paste	BDS 1216:2012 (2 nd Revision)
132.	Shaving Cream	BDS 1241:2017 (1 st Revision)
133.	Shampoo, Surfactant based	BDS 1269:2022 (4 th Revision)
134.	Skin Powders	BDS 1337:2024 (2 nd Revision)
135.	Hair Dyes, Liquid	BDS 1338:2023 (1 st Revision)
136.	Hair Oils	BDS 1339:2018 (1 st Revision)
137.	Tooth Powder	BDS 1370:2017 (1 st Revision)
138.	Skin Creams	BDS 1382:2024 (4 th Revision)
139.	Ball Point Pens	BDS 1384:2022 (2 nd Revision)
140.	Hair cream	BDS 1420:2024 (1 st Revision)
141.	Nail Polish (Nail Enamel)	BDS 1421:1992 Reaffirmed 2021
142.	Enamel synthetic exterior: a) Undercoating b) Finishing	BDS 1423:2018 (1 st Revision)
143.	Lipstick	BDS 1424:2024 (1 st Revision)
144.	Tableware made of melamine moulding compound	BDS 1425:2009 (1 st Revision)
145.	Synthetic Detergent Powder	BDS 1445:2019 (2 nd Revision)
146.	After Shave Lotion	BDS 1524:2006 (1 st Revision)
147.	Glycerin Toilet Soap	BDS 1536:2016
148.	Liquid Dish Wash	BDS 1554:2021 (1 st Revision)
149.	Direct Moulded Sole (DMS) Boots for General purpose.	BDS 1555:2023 (1 st Revision)
150.	Shoe Polish, Liquid	BDS 1589:2023 (1 st Revision)
151.	Petroleum Jelly	BDS 1597:2023 (1 st Revision)
152.	Diammonium Phosphate	BDS 1628:2000
153.	Rotational moulded polyethylene water storage tanks	BDS 1699:2002
154.	Cement Paints	BDS 1706:2015 (1 st Revision)
155.	Liquid Toilet Cleaner (Porcelain bowls and urinals)	BDS 1707:2021 (1 st Revision)
156.	Facial tissue paper	BDS 1723:2022 (1 st Revision)
157.	Liquid Toilet Soap	BDS 1740:2004
158.	Toilet tissue papers	BDS 1745:2022 (1 st Revision)
159.	Baby Oil	BDS 1766:2019 (1 st Revision)
160.	Toilet Soap for Babies	BDS 1798:2019 (1 st Revision)
161.	Tableware made of urea moulding compound	BDS 1825:2011 (1 st Revision)
162.	Emulsion Paint	BDS 1827:2018 (1 st Revision)
163.	Float glass	BDS 1832:2010
164.	Economy Emulsion Paint (Distemper)	BDS 1833:2018 (1 st Revision)
165.	Skin powder for babies	BDS 1844:2011
166.	Skin Creams and Lotions for Babies	BDS 1858:2019 (1 st Revision)
167.	Liquid Floor Cleaner	BDS 1859:2021 (1 st Revision)
168.	Glass Tableware	BDS 1874:2013
169.	Baby Shampoo	BDS 1884:2014
170.	Transparent Toilet Soap	BDS 1908:2016
171.	Skin Lotions	BDS 1923:2019 (1 st Revision)
172.	Leather Footwear (Physical)	BDS 1944:2021 (1 st Revision)
173.	Kajal	BDS 1949:2018
174.	Containers for Packaging of Mineral Water and Drinking Water.	BDS 1958:2019
175.	Natural Henna/Mehedi (Powder and Paste)	BDS 1966:2019
176.	Synthetic Colour Paste	BDS 1967:2019
177.	Liquid Hand wash	BDS 1973:2019
178.	Face Pack	BDS 1977:2020
179.	Alcohol Based Hand Sanitizers	BDS 1980:2020
180.	Shaving Foam	BDS 1986:2021
181.	Eye Care Products	BDS 1987:2023 (1 st Revision)
182.	Face Wash	BDS 2000:2022
183.	Colour Pencils	BDS 2020:2023
184.	Toothbrush	BDS ISO 20126:2023

C. Engineering Products (42 items):

Sl. No.	Name of the products	Standards No. and Year
185.	Common Building Clay Bricks	BDS 208:2022 (4th Revision)
186.	Safety Razor Blades	BDS 219:2022 (2nd Revision)
187.	Bicycle Tyres and Rims- Part 2:Rims	BDS ISO 5775-2:2024
188.	Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless	BDS ASTM A53/A53M:2024
189.	GP Sheets (With Corrugated Sheets)	BDS 1122:1987 (RA 2021)
190.	Protective Helmets for Scooter & Motorcycle Riders	BDS 1136:2022 (1st Revision)
191.	Sanitary Ware Appliances	BDS 1162:2014
192.	Industrial Safety Helmet	BDS EN 397:2024
193.	Gold and Gold Alloys-Grade and Marking	BDS 1515:2021 (1st Revision)
194.	Domestic Pressure Cookers	BDS 1752:2006
195.	Hollow Clay Bricks And Blocks	BDS 1803:2008
196.	Shaving systems- Disposable Razors- Single or Twin Blade Type- Specification	BDS 1838:2022 (1st Revision)
197.	Household refrigerating appliances-Characteristics, Test Methods and Energy Efficiency Labeling Energy Labeling and Other Compliance Criteria	BDS 1850:2024 (1st Revision)
198.	Room Air Conditioners and Heat Pumps– Performance Requirements and Energy Labeling	BDS 1852:2022 (1st Revision)
199.	Household refrigerating appliances Characteristics, Test Methods and Energy Efficiency Labeling Part 1: General Requirements Part 2: Performance Requirements Part 3: Energy Consumption and Volume	BDS 1849-1:2024 BDS 1849-2:2024 BDS 1849-3:2024
200.	Pipes and Fittings Made of Unplasticized Polyvinyl Chloride (PVC-U) Used for Potable Water Supply	BDS 1878:2015
201.	Extruded Profiles of Aluminium and Aluminium Alloys	BDS 1879:2014
202.	Cement- Part 1:Composition, Specifications and Conformity Criteria for Common Cements	BDS EN 197-1:2023
203.	Sanitary Tapware-Single Taps and Combination Taps for Water Supply Systems of Type 1 and Type 2 - General Technical Requirements	BDS EN 200:2009 (RA 2020)
204.	Concrete Paving Blocks- Requirements and Test Methods	BDS EN 1338:2009 (RA 2023)
205.	Penetration-Graded Asphalt Binder for Use in Pavement Construction Cationic Emulsified Asphalt	BDS ASTM D946/D946M:2023 BDS ASTM D2397/D2397M:2023
206.	Unplasticized poly(vinyl chloride) (PVC-U) profiles for the fabrication of windows and doors - Classification, requirements and test methods - Part 1: Non-coated PVC-U profiles with light coloured surfaces	BDS EN 12608-1:2023
207.	Performance-Graded Asphalt Binder Using the Multiple Stress Creep and Recovery (MSCR) Test	BDS ASTM D8239:2023
208.	Passenger Car Tyres and Rims (Metric Series) Part 1:Tyres Part 2:Rims	BDS ISO 4000-1:2023 BDS ISO 4000-2:2023
209.	Truck and Bus Tyres And Rims (Metric Series) Part 1:Tyres Part 2:Rims	BDS ISO 4209-1:2012 (RA 2023) BDS ISO 4209-2:2023
210.	Plastics Piping Systems for Water Supply and for Drainage and Sewerage under Pressure-Polyethylene (PE) Part 1: General Part 2: Pipes Part 3: Fittings	BDS ISO 4427-1:2023 BDS ISO 4427-2:2023 BDS ISO 4427-3:2023
211.	Motorcycle Tyres and Rims (Metric Series) Part 1: Design Part 2: Tyre Part 3: Range of Approved Rim Contours	BDS ISO 5751-1:2012 (RA 2023) BDS ISO 5751-2:2012 (RA 2023) BDS ISO 5751-3:2012 (RA 2023)
212.	Steel for the Reinforcement of Concrete- Part 1: Plain Bars Part 2: Ribbed Bars	BDS ISO 6935-1:2012 (RA 2021) BDS ISO 6935-2:2021
213.	Portable Fire Extinguisher	BDS ISO 7165:2022
214.	Continuous Hot-Dip Aluminium/Zinc Coated Steel Sheet of Commercial, Drawing and Structural Qualities	BDS ISO 9364:2021
215.	Gas Cylinders-Refillable Seamless Aluminum Alloy Gas Cylinders- Design, Construction and Testing	BDS ISO 7866:2023
	Gas Cylinders-Refillable Welded Steel Cylinders- Test Pressure 60 Bar and Below	BDS ISO 4706:2008 (RA 2023)
	Gas Cylinders-Refillable Seamless Steel Gas Cylinders and Tubes- Design, Construction And Testing Part 1: Quenched and Tempered Steel Cylinders and Tubes with Tensile Strength	BDS ISO 9809-1:2023

	Less Than 1100 MPa Part 2: Quenched and Tempered Steel Cylinders and Tubes with Tensile Strength Greater Than or Equal to 1100 MPa Part 3: Normalized Steel Cylinders and Tubes	BDS ISO 9809-2:2023 BDS ISO 9809-3:2023
216.	Ceramic Tiles - Definitions, Classification, Characteristics and Marking	BDS ISO 13006:2021
217.	Clean Cookstoves and Clean Cooking Solutions Harmonized Laboratory Test Protocols Part 1: Standard Test Sequence for Emissions and Performance	BDS ISO 19867-1:2019
218.	Gas cylinders — Transportable Refillable Welded Steel Cylinders for Liquefied Petroleum Gas (LPG) — Design and construction	BDS ISO 22991:2023
219.	Household and Similar Electrical Appliances – Safety – Part 2-21: Particular Requirements for Storage Water Heaters	BDS IEC 60335-2-21:2022
220.	Sanitary tapware- Shower outlets	BDS EN 1112:2009
221.	Vacuum flask	BDS 576
222.	PVC pipes for electrical conduits	BDS EN 61386-21:2010
223.	Fire door	BDS ISO 3008-1:2023
224.	Structural Steel and angle Part 1: General Part 2: Pipes Part 3: Fittings	BDS ISO 630-1:2024 BDS ISO 630-2:2024 BDS ISO 630-3:2024
225.	Concrete Masonry Unit	BDS EN 771-3:2009
226.	LPG Composite Cylinder	BDS ISO 11119-3:2018

D. Jute and Textile Products (28 items):

Sl. No.	Name of the products	Standards No. and Year
227.	Poplin Fabric	BDS 32:2024 (4 th Revision)
228.	Cotton Sewing Threads	BDS 33:2021 (2 nd Revision)
229.	Cotton Sharee – Power Loom	BDS 63:2017 (3 rd Revision)
230.	Cotton long cloth	BDS 64:2015(2 nd Revision)
231.	Cotton Canvas	BDS 319:2020 (4 th Revision)
232.	Cotton Bed Sheets	BDS 951:2012(1 st Revision)
233.	Umbrella Cloth	BDS 1125:2020 (2 nd Revision)
234.	Woven Shirtings Made of Polyester or Polyester Blends	BDS 1148:2021(3 rd Revision)
235.	Woven Suitings Made of Polyester or Polyester Blends	BDS 1175:2021(3 rd Revision)
236.	Rubber Flat Transmission Belting of Textile Construction for General Use	BDS 1199:2005 (1 st Revision)
237.	Rubber Conveyor and Elevator Belting of Ply Construction – Part I for General Use	BDS 1200 (Part 1):2005 (1 st Revision)
238.	Industrial Sewing Threads Made Wholly or Partly from Synthetic Fibres	BDS 1221:2021 (4 th Revision)
239.	Absorbent Cotton	BDS 1260:2016 (2 nd Revision)
240.	Sanitary Napkins	BDS 1261:2019 (2 nd Revision)
241.	Handloom Cotton Lungi Cloth	BDS 1331:2024 (3 rd Revision)
242.	Silk Fabrics	BDS 1467:2021(2 nd Revision)
243.	Colour Fastness Ratings of Textiles (টেক্সটাইল পণ্যের রং এর স্থায়িত্বের মাত্রা নির্দিষ্টকরণ)	BDS 1758:2022 (1 st Revision)
244.	Textiles– Jute Bags for Packing 50 kg Food Grains	BDS 1767: 2014 (1 st Revision)
245.	Synthetic Mosquito Nets	BDS 1882:2024 (1 st Revision)
246.	Towels and Towelling	BDS 1898:2024 (1 st Revision)
247.	Jamdani Sharee	BDS 1920:2024 (1 st Revision)
248.	Textile Light Weight Jute Sacking Bags for Packing 50 kg Food Grains	BDS 1974:2019
249.	Hessian Jute Bags for Rice & Pulse	BDS 1989:2021
250.	Hessian Jute Bags for Packing 30 kg Food Grains	BDS 2005:2022
251.	Disposable Diapers	BDS 2006:2022
252.	Nonwoven Wipes	BDS 2017:2023
253.	Reusable Sanitary Napkin	BDS 2024:2024
254.	Textiles – Tests for Colour Fastness – Part E11: Colour Fastness to Steaming	BDS ISO 105-E11:2004

E. Electrical and Electronics Products (45 items):

Sl. No.	Name of the products	Standards No. and Year
255.	Tungsten filament lamps for domestic and similar general lighting purposes – Performance requirements	BDS 17:2006 (3 rd revision)
256.	Ceiling Roses	BDS 116:2006 (2 nd revision)
257.	Lead-acid starter batteries – Part 1: General requirements and methods of test Part 2: Dimensions of batteries and dimension and marking of terminals Part 3: Dimension of batteries for heavy commercial vehicles	BDS 206 (Part 1):2002 (2 nd revision) BDS 206 (Part 2):2002 (2 nd revision) BDS 206 (Part 3):2002 (2 nd revision)
258.	Performance and construction of electric circulating fans and regulators	BDS 818: 1998 (1 st revision) Amendment 1:2006
259.	Water for use in secondary batteries (first revision)	BDS 834:2007
260.	Insulated flexible cords – Part 1: General requirements Part 2: Requirements for rubber insulated flexible cords Part 3: Requirements for PVC insulated flexible cords Part 4: Flexible cords insulated with varnished glass fibre Part 5: PVC insulated extensible leads Part 6: Methods of test	BDS 899 (Part 1):2000 (1 st revision) BDS 899 (Part 2):2001 (1 st revision) BDS 899 (Part 3):2001 (1 st revision) Amendment 1:2009 BDS 899 (Part 4):2001 (1 st revision) BDS 899 (Part 5):2001 (1 st revision) BDS 899 (Part 6):2001 (1 st revision)
261.	PVC insulated cables (non-armoured for electric power and lighting)	BDS 900:2010 (2 nd revision)
262.	Winding Wires – Part 1: Enameled round copper winding wires Part 2: Enameled rectangular copper winding wires Part 3: Enameled round aluminium winding wires Part 4: Enameled rectangular aluminium winding wires Part 5: Test method	BDS 1034 (Part 1):2006 (1 st revision) BDS 1034 (Part 2):2006 (1 st revision) BDS 1034 (Part 3):2006 (1 st revision) BDS 1034 (Part 4):2006 (1 st revision) BDS 1034 (Part 5):2006 (1 st revision)
263.	Bare aluminium and aluminium alloy conductors for overhead power transmission Aluminium conductors steel re-inforced for overhead power transmission	BDS 1036:2006 BDS 1037:2003 (1 st revision)
264.	Three-phase induction motors	BDS 1139:1986, Amendment 1:2006
265.	Electronic type fan regulators	BDS 1323:1991, Amendment 1:2006
266.	Cut-out switches (main switches)	BDS 1395:1993, Reaffirmed 2005
267.	Cross linked polyethylene insulated PVC sheathed cables – Part 1: Working voltages up to and including 1100 V Part 2: For working voltages from 3.3 kV up to and including 33 kV	BDS 1521(Part 1):1995 BDS 1521(Part 2):1995
268.	Porcelain insulator for overhead power lines with a nominal voltage up to and including 1000 V	BDS 1543:2006 (1 st revision)
269.	Self-ballasted fluorescent lamps for general lighting services – Safety requirements Self-ballasted compact fluorescent lamps for general lighting services – Performance requirements	BDS IEC 60968:2022 BDS IEC 60969:2022
270.	Energy efficiency rating for self-ballasted lamps and modular type compact fluorescent lamps	BDS 1761:2013 (1 st revision)
271.	Power transformers – Part 1: General	BDS IEC 60076 (Part 1):2016
272.	Double-capped fluorescent lamps – Performance requirements	BDS IEC 60081:2006
273.	Primary Batteries – Part 1: General Part 2: Physical and electrical specifications Part 3: Watch batteries Part 4: Safety of lithium batteries Part 5: Safety of batteries with aqueous electrolyte	BDS IEC 60086 (Part 1):2019 BDS IEC 60086 (Part 2):2019 BDS IEC 60086 (Part 3):2019 BDS IEC 60086 (Part 4):2019 BDS IEC 60086 (Part 5):2019
274.	Electric irons for household or similar use – Methods for measuring performance	BDS IEC 60311:2018
275.	Insulators for overhead lines with a nominal voltage above 1000 V – Part 1: Ceramic or glass insulator units for ac systems – Definitions, test methods and acceptance criteria Part 2: Insulator strings and insulator sets for ac systems – Definitions, test methods and acceptance criteria	BDS IEC 60383 (Part 1):2006 BDS IEC 60383 (Part 2):2006
276.	Power cables with extruded insulation and their accessories for rated voltages from 1 kV up to 30 kV – Part 1: Cables for rated voltages of 1 kV and 3 kV Part 2: Cables for rated voltages from 6 kV up to 30 kV Part 4: Test requirement on accessories for cables with rated voltages from 6 kV up to 30 kV	BDS IEC 60502 (Part 1):2018 BDS IEC 60502 (Part 2):2018 BDS IEC 60502 (Part 4):2018
277.	AC electric ventilating fans and regulators for household and similar purposes	BDS IEC 60665:2020
278.	Switches for household and similar fixed electrical installations – Part 1: General requirements	BDS IEC 60669 (Part 1):2018
279.	Plugs and socket-outlets for household and similar purposes – Part 1: General requirements Part 2-1: Particular requirements for fused plugs Part 2-2: Particular requirements for socket-outlets for appliances Part 2-3: Particular requirements for switched socket-outlets without interlock for fixed installations Part 2-4: Particular requirements for plugs and socket-outlets for SELV	BDS IEC 60884 (Part 1):2016 BDS IEC 60884 (Part 2-1):2016 BDS IEC 60884 (Part 2-2):2016 BDS IEC 60884 (Part 2-3):2016 BDS IEC 60884 (Part 2-4):2016

	Part 2-5: Particular requirements for adaptors Part 2-6: Particular requirements for switched socket-outlets with interlock for fixed electrical installations Part 2-7: Particular requirements for cord extension sets	BDS IEC 60884 (Part 2-5):2016 BDS IEC 60884 (Part 2-6):2016 BDS IEC 60884 (Part 2-7):2016
280.	Electrical accessories – Circuit-breakers for over-current protection for household and similar installations – Part 1: Circuit-breakers for AC operation	BDS IEC 60898(Part 1):2016
281.	Photovoltaic devices – Part 1: Measurement of photovoltaic current-voltage characteristics Part 2: Requirements for photovoltaic reference devices Part 3: Measurement principles for terrestrial photovoltaic (PV) solar devices with reference spectral irradiance data Part 9: Classification of solar simulator characteristics Part 10: Methods of linear dependence and linearity measurements	BDS IEC 60904 (Part 1):2020 BDS IEC 60904 (Part 2):2020 BDS IEC 60904 (Part 3):2020 BDS IEC 60904 (Part 9):2020 BDS IEC 60904 (Part 10):2020
282.	Ballast for tubular fluorescent lamps – Performance requirements	BDS IEC 60921:2005
283.	AC supplied electronic ballasts for tubular fluorescent lamps – Performance requirements	BDS IEC 60929:2005
284.	Secondary cells and batteries for renewable energy storage – General requirements and methods of test – Part 1: Photovoltaic off-grid application	BDS IEC 61427 (Part 1):2016
285.	Electricity metering equipment (ac) – Particular requirements – Part 11: Electromechanical meters for active energy (Class 0.5, 1 and 2)	BDS IEC 62053 (Part 11):2013
286.	Electricity metering equipment (ac) – Particular requirements – Part 21: Static meters for active energy (Classes 1 and 2)	BDS IEC 62053 (Part 21):2013
287.	Electricity metering – Payment systems – Part 31: Particular requirements – Static payment meters for active energy (Classes 1 and 2)	BDS IEC 62055 (Part 31):2017
288.	Battery charge controllers for photovoltaic systems – Performance and functioning	BDS IEC 62509:2016
289.	Self-ballasted LED lamps for general lighting services with supply voltage >50 V – Performance requirements	BDS IEC 62612:2015
290.	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1: Test requirements Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules Part 1-4: Special requirements for testing of thin-film Cu (In,Ga)(S,Se) ₂ based photovoltaic (PV) modules Part 2: Test procedures Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction Part 2: Requirements for testing	BDS IEC 61215(Part 1):2022 BDS IEC 61215 (Part 1-1):2022 BDS IEC 61215 (Part 1-2):2022 BDS IEC 61215(Part 1-3):2022 BDS IEC 61215 (Part 1-4):2022 BDS IEC 61215 (Part 2):2022 BDS IEC 61730 (Part 1):2019 BDS IEC 61730 (Part 2):2019
291.	Safety of power converters for use in photovoltaic power systems – Part 1: General requirements Part 2: Particular requirements for inverters Photovoltaic (PV) systems – Characteristics of the utility interface Utility-interconnected photovoltaic inverters – Test procedure of islanding prevention measures	BDS IEC 62109 (Part 1):2016 BDS IEC 62109 (Part 2):2016 BDS IEC 61727:2020 BDS IEC 62116:2016
292.	Lead-acid traction batteries – Part 1: General requirements and methods of tests	BDS IEC 60254 (Part 1):2018
293.	Household microwave ovens – Methods for measuring performance	BDS IEC 60705:2008
294.	Uninterruptible power systems (UPS) Part 3: Method of specifying the performance and test requirements	BDS IEC 62040(Part 3):2022
295.	Single phase small ac and universal electric motors	BDS 1367:1992 Reaffirmed 2023
296.	Specification for Wall clocks (Battery operated)	BDS 1722:2003
297.	Adhesive insulating tapes with PVC substrates for electrical purposes – Tapes with PVC substrates	BDS 1019:1982
298.	Electric kettles for domestic use (first revision)	BDS 253:1990
299.	Low-voltage switchgear and controlgear – Part 2: Circuit- breakers	BDS IEC 60947 (Part2):2019

List of 79 Mandatory Products Brought Under Import Policy Order, 2021-2024

Sl.	Name of the Products	Standard No. and Year
1.	Butter	BDS CAC A-1:2002
2.	Liquid Glucose (Glucose Syrup)	BDS CAC 9:2006
3.	Honey	BDS CAC 12:2007
4.	Infant Formula and Formulas for Special Medical Purposes Intended for Infants	BDS CAC 72:2008
5.	Processed Cereal Based Food for Infants and Young Children	BDS CAC 74:2007
6.	Chocolate	BDS CAC 87:2008
7.	Refined Sugar	BDS 138:2006 (2 nd Revision), Ame.-1:2008
8.	Follow-Up Formula	BDS CAC 156:2008, Amend-1:2009
9.	Milk Powders and Cream Powders i) Cream Powder ii) Whole Milk Powder iii) Partly Skimmed Milk Powder iv) Skimmed Milk Powder	BDS CAC 207:2008 (Amend-1:2009)
10.	Sugar	BDS CAC 212:2006
11.	Jams, Jellies and Marmalades	BDS CAC 296:2014
12.	Biscuits	BDS 383:2001 (2 nd Revision)
13.	Lozenges	BDS 490:2014 (3 rd Revision)
14.	Sauce (Fruits or Vegetables)	BDS 512:2017 (2 nd Revision)
15.	Fruits and Vegetables Juices	BDS 513:2013 (3 rd Revision)
16.	Tomato Paste	BDS 517:2015 (3 rd Revision)
17.	Fermented Vinegar	BDS 523:2015(2 nd Revision)
18.	Tomato Ketchup	BDS 530:2002 (2 nd Revision)
19.	a) Soluble Coffee Powder b) Roasted and Ground Coffee c) Roasted Coffee – Chicory Powder	a) BDS 763:2016 (2 nd Revision) Ame.-1:2020 b) BDS 805:2016 (1 st revision) c) BDS 806:2016 (1 st revision)
20.	Toffees	BDS 1000:2001 (1 st Revision)
21.	Carbonated Beverages	BDS 1123:2013 (3 rd Revision)
22.	Natural Mineral Water	BDS 1414:2000 (1 st Revision)
23.	Chewing Gum, Ball Gum and Bubble Gum	BDS 1498:2012 (1 st Revision)
24.	Instant Noodles	BDS 1552:2015 (2 nd Revision)
25.	Chips and Crackers	BDS 1556:2017 (1st Revision), Ame-1:2019
26.	Soft Drink Powder	BDS 1586:2007 (1st Revision)
27.	Fortified Soybean Oil	BDS 1769:2014 (1 st Revision)
28.	Fortified Edible Palm Oil	BDS 1770:2014 (1 st Revision)
29.	Fortified Edible Sunflower Oil	BDS 1773:2016 (1 st Revision)
30.	Fortified Palm Olein	BDS 1774:2006, Amend-1:2014
31.	Synthetic Vinegar	BDS 1896:2015
32.	Others Cooking Oil (Except Coconut oil, Mustard Oil & Olive Oil)	Vitamin-A testing as per Vitamin-A Enrichment in Edible Oil Act, 2013
33.	Mosquito Coil	BDS 1089:2018 (3 rd Revision)
34.	Toilet Soap	BDS 13:2021 (4 th Revision)
35.	Coconut Oil	BDS 99:2007 (2nd Revision)
36.	Pencils	BDS 330:1993 (1st Revision) Amend-1:2006
37.	Internal Combustion Engine Crankcase Oils (Diesel and Gasoline)	BDS 343:2012 (1st Revision)
38.	Writing and Printing Papers	BDS 405:2012 (2nd Revision)
39.	Ceramic Tableware	BDS 485:2000 (2nd Revision) Amend-1, 2, 3:2006
40.	Tooth Paste	BDS 1216:2012 (2nd Revision)
41.	Shampoo, Surfactant Based	BDS 1269:2014 (2nd Revision)
42.	Skin Powders	BDS 1337:2015 (1st Revision)
43.	Hair Oils	BDS 1339:2018 (1st Revision)
44.	Skin Creams	BDS 1382:2019 (3rd Revision)
45.	Ball Point Pens	BDS 1384:2002 (1st Revision)
46.	Lipstick	BDS 1424:1993, Amend-1, 2:2006
47.	After Shave Lotion	BDS 1524:2006 (1st Revision)
48.	Baby Oil	BDS 1766:2019 (1st Revision)
49.	Toilet Soap for Babies	BDS 1798:2019 (1st Revision)
50.	Skin Powder for Babies	BDS 1844:2011
51.	Skin Creams And Lotions for Babies	BDS 1858:2019 (1st Revision)
52.	Baby Shampoo	BDS 1884:2014
53.	Skin Lotions	BDS 1923:2019 (1st Revision)
54.	Polyester Blend Shirting (Market Varieties)	BDS 1148:2011 (2nd Revision)
55.	Polyester Blend Suiting	BDS 1175:2011 (2nd Revision)
56.	Sanitary Napkins	BDS 1261:2019 (2nd Revision)
57.	Textiles – Colour Fastness Ratings– Specification	BDS 1758:2006
58.	Performance and construction of electric circulating fans and regulators	BDS 818:1998 (1st revision) Amendment 1:2006
59.	Three-phase induction motors	BDS 1139:1986, Amendment 1:2006
60.	Electronic type fan regulators	BDS 1323:1991, Amendment 1:2006
61.	Specification for Household Refrigerators Freezers	BDS 1849:2012
62.	Performance of Air Conditioners and Heat Pumps – Energy Labeling and Minimum Energy Performance Standard (MEPS) Requirements	BDS 1852:2012

63.	Double-capped fluorescent lamps – Performance requirements	BDS IEC 60081:2006
64.	Primary Batteries –(a) Part-1 General (b) Part-2 Physical and electrical specifications (c) Part-3 Watch batteries (d) Part 4 Safety of lithium batteries (e) Part-5 Safety of batteries with aqueous electrolyte	BDS IEC 60086 (Part-1):2005 BDS IEC 60086 (Part-2):2005 BDS IEC 60086 (Part-3):2005 BDS IEC 60086 (Part-4):2005 BDS IEC 60086 (Part-5):2005
65.	Electric irons for household or similar use – Methods for measuring performance	BDS IEC 60311:2018
66.	Switches for household and similar fixed electrical installation – Part 1: General requirements	BDS IEC 60669 (Part-1):2018
67.	Plugs and socket-outlets for household and similar purposes a) Part-1: General requirements b) Part 2-1: Particular requirements for fused plugs c) Part 2-2: Particular requirements for socket-outlets for appliances d) Part 2-3: Particular requirements for switched socket-outlets without interlock for fixed installations e) Part 2-4: Particular requirements for plugs and socket-outlets for SELV f) Part 2-5: Particular requirements for adaptors g) Part 2-6: Particular requirements for switched socket-outlets with interlock for fixed installation h) Part 2-7: Particular requirements for cord extension sets	BDS IEC 60884 (Part-1):2016 BDS IEC 60884 (Part-2-1):2016 BDS IEC 60884 (Part-2-2):2016 BDS IEC 60884 (Part 2-3):2016 BDS IEC 60884 (Part 2-4):2016 BDS IEC 60884 (Part 2-5):2016 BDS IEC 60884 (Part 2-6):2016 BDS IEC 60884 (Part 2-7):2016
68.	Electrical accessories – Circuit-breakers for over-current protection for household and similar installations Part-1: Circuit-breakers for AC operation	BDS IEC 60898-1:2016
69.	Ballast for tubular fluorescent lamps – Performance requirements	BDS IEC 60921:2005
70.	Electronic ballasts for tubular fluorescent lamps – Performance requirements	BDS IEC 60929:2005
71.	Electricity metering equipment (ac) – Particular requirements – Part-11: Electromechanical meters for active energy (Class 0.5, 1 and 2)	BDS IEC 62053 (Part 11):2013
72.	Electricity metering – Payment systems – Part: 31 Particular requirement – Static payment meters for active energy (Classes 1 and 2)	BDS IEC 62055-31:2017
73.	Self-ballasted LED lamps for general lighting services with supply voltage > 50 V – Performance requirements	BDS IEC 62612:2015
74.	Safety Razor Blades	BDS 219:2002 (1st Revision)
75.	Protective Helmets for Scooter & Motor Cycle Riders	BDS 1136:1986 Reaffirmed 2007
76.	Sanitary Ware Appliances	BDS 1162:2014
77.	Steel for the Re-enforcement of Concrete – Part-1: Plain Bars, Part-2: Ribbed Bars	BDS ISO 6935-1:2012 BDS ISO 6935-2:2016
78.	Gas Cylinders – Refillable Seamless Aluminum Alloy Gas Cylinders – Design, Construction and Testing. Gas Cylinders – Refillable welded Steel Cylinders –Test Pressure 60 Bar and Below. Gas Cylinders – Refillable Seamless Steel Gas Cylinders – Design, Construction and Testing – Part 1: Quenched and Tempered Steel Cylinders With Tensile Strength Less Than 1100 MPa. Gas Cylinders – Refillable Seamless Steel Gas Cylinders – Design, Construction and Testing – Part 2: Quenched and Tempered Steel Cylinders With Tensile Strength Greater Than or Equal to 1100 MPa. Gas Cylinders – Refillable Seamless Steel Gas Cylinders – Design, Construction and Testing – Part 3: Normalized Steel Cylinders.	BDS ISO 7866:2008 BDS ISO 4706:2008 BDS ISO 9809-1:2008 BDS ISO 9809-2:2008 BDS ISO 9809-3:2008
79.	Ceramic Tiles – Definitions, Classification, Characteristics and Marking	BDS ISO 13006:2015

Chapter-5

Photo Gallery







Bangladesh Standards and Testing Institution (BSTI) awarded 28 numbers of ISO certificates to 22 institutions for ensuring international quality management. Director General of BSTI (Grade-1) Mr. SM Ferdous Alam handed over the certificate to the representatives of these institutions at the head office of BSTI in Tejgaon in the capital on 5th April, 2024. First vice president of The Federation of Bangladesh Chambers of Commerce and Industries (FBCCI) Mr. Amin Helali and senior officials of BSTI were present there.



On April 28, 2024 BSTI Director General (Grade-1) S M Ferdous Alam exchanged views with the Halal certified institutions from BSTI. He wants to know from the representatives of certified organizations whether there are any opinions, suggestions or observations regarding the halal certificate received from BSTI in international trade. At that time, first vice president of FBCCI Amin Helali along with business representatives, representatives of certified institutions and senior officials of BSTI were present.



British Standards Organization (BSI) organized a 5 (five) day long Lead Auditor Training on Energy Management Systems (ISO 50001:2018) in the capital. (BSTI) Director General (Grade-1) Mr. S M Ferdous Alam was present as the chief guest at the inauguration ceremony of the lead auditor training programme organized by BSI at a hotel Hotel Amazon Lily in Banani of the capital on 15 January 2024. Deputy Development Director of British High Commission Duncan Overfield was present as a special guest. Resource person from India on energy management systems, Shaibal Gupta. Project Manager, 'UK-Bangladesh Standards Partnership Initiative Project', Syed Anwar Hossain was also present on the lead auditor training programme. Representatives of various government and private organizations participated in the training.



BSTI and GAIN Bangladesh jointly organized a seminar on Enrichment of Vitamin 'A' in Edible Oils and ensuring the quality products at Bogura On 22th February 2024 Director General (Grade-1) of BSTI Mr. S M Ferdous Alam was the chief guest of the seminar. The chief guest urged to ensure sale and distribution of quality products at the consumer level to build Smart Bangladesh. Various organizations of the government, including BSTI are working together in this purpose. The Director General of BSTI Also urged the traders not to sell edible oil in dirty and unsanitary drums and to sell and distribute vitamin 'A' enrich edible oil with BSTI mark.



District Advocacy Meeting on Stopping Use of Unsafe Drums in Edible Oil Trading held on 31 January 2024 at Cumilla. The advocacy meeting jointly organized by BSTI and National Heart Foundation. Deputy Commissioner of Cumilla Khandkar Mu. Mushfiqur Rahman, Superintendent of Police, Mr. Abdul Mannan; President of Cumilla Shop Owners Association Mr. Sanaul Haque; General Secretary Mr. Atiqullah Khokon and officials of various government and private departments including Directorate of Food, BSTI, Directorate of Consumer Rights Protection were present at the meeting. Business leaders from different levels of Cumilla were present in the meeting. BSTI Director General (Grade-1) S M Ferdous Alam said that, the uses of unhygienic and dirty drums for storing edible oil is hazardous to health. Opened drum oil is deficient in Vitamin 'A'. Diseases caused by lack of vitamin 'A' such as night blindness, blindness, maternal death during pregnancy and various other physical problems.



On the occasion of Great Independence Day 26th March 2024, gift items were distributed among BSTI employees. Director General of BSTI Mr. SM Ferdous Alam led the ceremony; senior officials of the institution were present at that time.



E-Governance and Innovation Plan 2023-2024 covered and implemented innovation services showcase was held on 6th May 2024 at BSTI.



On April 24, 2024, a discussion meeting titled "Necessary steps to be taken to introduce standard packaging in tobacco products" jointly organized by BSTI and Tobacco Control and Research Cell (TCRC) of Dhaka International University in the meeting room of BSTI. Director General (Grade-1) of BSTI Ms. S M Ferdous Alam was the chief guest of the discussion meeting. The meeting was chaired by former member of parliament and President, TCRC, Dhaka International University Barrister Shamim Haider Patwari.



In a joint initiative of BSTI and Chattagram Chamber of Commerce and Industry, a view exchange meeting on the role of BSTI to ensure quality products in the Internal and international market was held on 10th June 2024 in Chattagram. BSTI Director General Mr. SM Ferdous Alam was present as chief guest in the view exchange meeting under the chairmanship of the president of Chattagram Chamber and Industries Mr. Omar Hajjaj. At that time, the president of Consumer Association of Bangladesh (CAB) Mr. SM Najer Hossain and businessmen from various sectors participated at the view exchange meeting.



BSTI Director General (Grade-1) Mr. SM Ferdous Alam visited the Tir Soybean Oil Factory of City Group located in Chittagong. Director Chemical of BSTI Gazi Md. Nurul Islam and senior officials of BSTI and City Group were present.



Foundation Training on Cross border Trade Risk Management supported by United States, Department of Agriculture (USDA) and funded by Bangladesh Trade Facilitation (BTF) Project held on 4-6 February, 2024. Director General (Grade-1) of BSTI Mr. S M Ferdous Alam was the Chief Guest of Closing and Certificate awarding Ceremony of the training session. Twenty (20) trainees participated in the training session from BSTI head office and regional offices.



বিএসটিআই হালাল সার্টিফিকেশনের ৭ম সভা গত ৪ এপ্রিল ২০২৪ তারিখে বিএসটিআই'র মহাপরিচালক (গ্রেড-১) জনাব এস এম ফেরদৌস আলমের সভাপতিত্বে অনুষ্ঠিত হয়। সভায় মহাপরিচালক বলেন, বিভিন্ন প্রতিষ্ঠান থেকে আবেদন প্রাপ্তির পর বিশেষজ্ঞ অডিট টিমের মাধ্যমে বহুস্তরীয় অডিট সম্পন্ন করে বিএসটিআই থেকে হালাল সার্টিফিকেট প্রদান করা হয়েছে। বিএসটিআই মহাপরিচালক আরও বলেন, আমাদের মূল লক্ষ্য হলো বিএসটিআই হালাল সার্টিফিকেট আন্তর্জাতিক বাজারে স্বীকৃত করা।



The 18th Meeting of the SMIIC General Assembly (GA) was held in the Holy City Makkah Al Mukarramah, Kingdom of Saudi Arabia on 15th November 2023 with the attendance of 35 Member States and 2 Observers including Head of Delegation from Bangladesh Mr. Md. Abdus Sattar, Director General, BSTI with Md. Mursaleen Mahfuz, Assistant Director (Civil & Mechanical), Standards Wing, BSTI.



ISO/PC 305 Plenary Meeting Held at Nantes, France at 15-19 April, 2024 attended by Mr. S M Ferdous Alam, Director General of BSTI as Head of Delegation from Bangladesh including, Dr. Tanvir Ahmed, Professor, Department of Civil Engineering, BUET and Md. Mursaleen Mahfuz, Deputy Director (Civil & Mechanical), Standards Wing, BSTI.



Bangladesh delegates visited Denmark on 13-17th May, 2024 Under Strategic Sector Cooperation (SSC) Programme between Bangladesh and Denmark. In this delegation Director General Mr. SM Ferdous Alam and MR. Enamul Haque, Deputy Firector (agriculture & Food) from BSTI were present.



A technical collaboration meeting was held between BSTI and ABB at BSTI on 12th March 2024. Senior officers of both the organizations participated in the discussion in the light of their respective experiences about production and quality of circuit breakers and switch socket outlets. In the collaboration meeting especially discussed on Miniature Circuit Breaker (MCB) testing as per BDS standards. At the end of the discussion, ABB authority recorded the necessary suggestions to improve the quality of Miniature Circuit Breaker according to BDS standards.



17th Executive Committee Meeting of Bangladesh Association of Certification bodies (BACB) on 1st April, 2024 under the chairmanship of BSTI Director General at BSTI Headquarter.



A day-long workshop held at BSTI formulated a strategy paper for the next one year to strengthen Bangladesh's participation in Codex activities on 7th February 2024. The workshop was inaugurated by Director General (Grade-1) of BSTI Mr. S M Ferdous Alam. Prof. Samuel B. Godefroy, Ex Vice Chair person of Codex Alimentarius Commission as resource person at the meeting.



Mr. SM Ferdous Alam, Director General (Grade-1) of BSTI is answering the questions of the journalists after conducted the mobile court by BSTI.



Fish are being tested for presence of formalin during market surveillance by BSTI On March 31, 2024. BSTI Director General SM Ferdous Alam attended the surveillance at BDR Market in the capital. BSTI checks the presence of formalin in various products including fruits nationwide.



A workshop on BSTI's Actions for Building Smart Bangladesh was held at BSTI on 27th January 2024 under the chairmanship of BSTI Director General Mr. SM Ferdous Alam, the key note paper was presented in the workshop by Mr. Abu Saleh Md. Mahfuzul Haque, A2i Project Adviser, ICT Department.



Mr. SM Ferdous Alam, Director General (Grade-1) of BSTI answering the questions of the journalists after conducted the mobile court by BSTI.



A training program titled 'Laboratory Quality Management System (LQMS) and Internal Audit (Documentation and Lab Preparation) as per ISO/IEC 17025:2017' was held on 7-9th June 2024 in the conference room of BSTI. This workshop was organized in collaboration with Bangladesh Trade Facilitation (BTF) project in continuation of the activities to bring the testing laboratories of BSTI's divisional and district offices under accreditation.



Mr. SM Ferdous Alam, Director General (Grade-1) Visited Calibration Laboratory of Metrology of BSTI Cumilla Office. Calibration and Verification of Weighing Machines, Petrol Pumps and Fuel Oil Tankers in Chadpur, Laxmipur, Noakhali, Feni and Brahmanbaria under the Cumilla Office are being Completed Through the Calibration Laboratory, Which has Reduced the Suffering of the Customers in this Area.



The 40th meeting of the BSTI Council at BSTI Conference Room. Honorable Advisor, Ministry of Industries, Mr. Adilur Rahman Khan was the Chairperson and Senior Secretary, Ministry of Industries, Mrs. Zakia Sultana was present as Vice-Chairman of the meeting. Director General (Grade-1) of BSTI Mr. S M Ferdous Alam was present as member-secretary and also moderator of the meeting.



BSTI Director General Mr. S M Ferdous Alam received Accreditation Certificate from Bangladesh Accreditation Board (BAB) at Ministry of Industries. Senior Secretary, Ministry of Industries and Chairman of BAB Mrs. Zakia Sultan awarded accreditation certificate.

Pictorial View of Countrywide BSTI Mobile Court Activities



Khulna



Chattogram



Rajshahi



Rangpur



Sylhet



Faridpur



Gazipur



Cumilla



Cox's Bazar



Dinajpur



Gopalganj



Jessore



Naogaon



Pabna



Noakhali



Narshingdi



Divisional Metrology Inspectorate, Dhaka



Mymensingh



Kustia



Barishal



MAAN BHABAN

116-A, Tejgaon Industrial Area, Dhaka-1208, Bangladesh

E-mail: bsti@bangla.net, dg@bsti.gov.bd

Hotline: 16119, Website: www.bsti.gov.bd